	Works in operation.						Canals abandoned.	Canals under construction.					Total.
	Ganges Canal.	Eastern Jumna Canal.	Dun Canals.	Rohilkhand Canals.	Bundelkhand Irrigation Works.	Total.	Agra Irrigation Works (abandoned).	Agra Canal.	Lower Ganges Canal.	Eastern Ganges Canal.	Bundelkhand Irrigation Survey.	Total.	
REVENUE ACCOUNT—*continued.*	£	£	£	£	£	£	£	£	£	£	£	£	£
NET REVENUE.													
FOR THE YEAR { Direct	94,630	35,353	2,495	−2,737	−478	29,265	...	...	...	...	...	...	129,265
FOR THE YEAR { Indirect	34,427	16,988	475	260	255	55,405	...	...	...	...	...	...	55,405
TOTAL ...	129,057	52,343	2,970	523	−223	184,670	...	...	...	...	...	...	184,670
TO END OF YEAR {Direct	717,123	502,816	14,812	2,457	−3,438	1,233,770	2,791	...	...	...	...	...	1,236,561
TO END OF YEAR {Indirect	202,861	157,709	5,222	7,872	3,469	377,133	...	...	...	...	...	...	377,133
TOTAL ...	919,984	660,525	20,034	10,329	31	1,610,903	2,791	...	...	...	...	...	1,613,694
SIMPLE INTEREST ACCOUNT, INCLUDING INTEREST WHILE WORK WAS UNDER CONSTRUCTION.													
For the year	127,926	10,099	2,592	5,319	326	146,262	999	23,953	8,690	1,258	912	34,813	182,074
To end of year	2,186,256	262,681	51,175	38,680	1,858	2,540,650	15,335	63,957	10,598	4,112	3,126	81,793	2,637,778
DIFFERENCE BETWEEN NET REVENUE AND CHARGE FOR INTEREST.													
FOR THE YEAR { Direct	−33,296	25,256	−97	−8,056	−804	−16,997	−999	−23,953	−8,690	−1,258	−912	−34,813	−52,809
FOR THE YEAR { Indirect	34,427	16,988	475	3,269	255	55,405	...	...	...	...	...	...	55,405
TOTAL ...	1,131	42,244	378	−4,796	−549	38,408	−999	−23,953	−8,690	−1,258	−912	−34,813	2,596
TO END OF YEAR { Direct	−1,469,133	240,135	−36,363	−36,223	−5,296	−1,306,880	−12,544	−63,957	−10,598	−4,112	−3,126	−81,793	−1,401,217
TO END OF YEAR { Indirect	202,861	157,709	5,222	7,872	3,469	377,133	...	...	...	...	...	...	377,133
TOTAL ...	−1,266,272	397,844	−31,141	−28,351	−1,827	−929,747	−12,544	−63,957	−10,598	−4,112	−3,126	−81,793	−1,024,084

ABSTRACT OF FINANCIAL RESULTS OF THE CANALS UNDER THE GOVERNMENT, NORTH-WESTERN PROVINCES. ASSESSMENTS.

CANALS.	Capital Account.		Revenue Account, 1873-74.					Charges for interest, 1873-74.	Percentage of Net Revenue on Capital outlay to end of year.		
	Outlay during 1873-74.	Total to end of 1873-74.	Direct revenue assessed.	Working expenses.	Net direct revenue.	Add indirect revenue.	Total net direct and indirect.		Direct.	Indirect.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
Canals in operation.											
Ganges Canal	3,94,471	2,64,46,253	20,01,308	9,22,300	10,79,008	3,81,708	14,60,716	12,79,259	4·14	·1·46	5·60
Eastern Jumna Canal	15,645	20,77,418	5,47,565	2,08,190	3,39,375	1,69,887	5,09,262	1,00,987	16·45	8·24	24·69
Dun Canals	6,539	5,79,072	49,915	27,470	22,445	4,747	27,192	25,923	3·91	0·83	4·74
Rohilkhand Canals	1,54,966	11,90,972	43,127	69,520	—26,393	32,607	6,214	53,188	—2·29	2·81	·52
Bundelkhand Irrigation Works	2,379	74,406	4,265	7,720	—3,455	2,550	—905	3,259	—4·64	3·43	—1·21
	5,74,000	3,03,68,121	26,46,180	12,35,200	14,10,980	5,91,499	20,02,479	14,62,616	4·64	1·94	6·58
Canals under construction	39,13,122	92,01,539	...	...	...	...	...	3,48,127	...	...	...
Agra Irrigation Works	...	2,21,970	...	...	...	...	...	9,989	...	...	...
	44,87,122	3,97,91,630	26,46,180	12,35,200	14,10,980	5,91,499	20,02,479	18,20,732	4·64	1·94	6·58

D

IRRIGATION REVENUE REPORT, NORTH-WESTERN PROVINCES, FOR 1873-74.

No. C467A., dated Camp Agra, 26th December 1874.

RESOLUTION—By His Honor the Lieutenant-Governor.

READ AGAIN—

Resolution No. 374A., dated 2nd April 1873, on the irrigation operations of fasl kharif 1873, and Resolution No. C288A., dated 4th August 1874, on the irrigation operations for fasl rabi and year 1873-74.

READ—

Report by the Chief Engineer of Irrigation, with enclosures.

RESOLUTION. *Capital Account.*—There is no addition to the capital accounts to notice this year beyond the expenditure on improving existing works and constructing new ones, which has been already noticed in the Resolution upon the Progress Report. The expenditure was Rs. 44,87,122, which raised the total of capital sunk upon the works to Rs. 3,97, 91,630 (£3,979,163), of which Rs. 3,03,68,121 (£30,36,812) was upon works in operation.

2. *Gross Revenue.*—The gross revenue from all sources was Rs. 26,61,470 (£266,147).

3. *Working Expenses.*—The working expenses amounted to Rs. 12,50,490 (£125,049), about Rs. 48,000 less than last year. The establishment charges were less by nearly Rs. 15,000, whilst the revenue assessed was nearly Rs. 3,50,000 more than that of last year. The percentages of establishment to cost of repairs and revenue assessed stood for the two years, 1872-73 and 1873-74, at 23·63 and 21·44 respectively. The decrease may partly be attributed to the larger expenditure upon new or original works this year, which caused a lighter proportion of establishment charges to fall upon revenue. The decrease in charges is also due in great degree to careful administration.

4. *Profits.*—The profits from direct income amounted to Rs. 14,10,980 (£141,098) 4·73 on the capital sunk on works in operation. The income derived from the enhancement of land revenue, due to the operation of the canals, was Rs. 5,91,499 (£59,149), which raised the percentage of profits to 6·71.

5. *Interest charges.*—The profits from all sources exceeded the interest charges for canals in operation by Rs. 5,39,863 (£53,986) for the year under review; the accumulated interest charges exceeded the accumulated revenue up to the end of the year by Rs. 80,99,002 (£809,900). Last year this excess amounted to Rs. 86,38,865 (£863,886), so that a steady reduction of the interest charges against the canals is in operation.

6. *Statistics of irrigation and revenue—*

I.—COMPARATIVE ABSTRACT OF AREAS IRRIGATED AND GROSS REVENUE, WITH AVERAGE RAINFALL IN EACH YEAR SINCE 1867-68.

Years.	Area irrigated.	Gross revenue.	Percentage of rainfall in irrigated districts.
	Acres.	Rs.	
1867-68	761,460	19,04,172	44·5
1868-69	1,441,918	31,47,160	17·0
1869-70	1,089,673	25,69,792	29·1
1870-71	1,050,868	25,51,168	37·1
1871-72	852,494	21,75,733	38·0
1872-73	940,586	23,12,649	32·4
1873-74	1,049,334	26,61,470	33·9*

II.—COMPARATIVE STATEMENT OF IRRIGATION REVENUE IN 1871-72, 1872-73, AND 1873-74.

Years.	Kharif (Autumn).		Rabi (Spring).	
	Area irrigated.	Gross revenue.	Area irrigated.	Gross revenue.
	Acres.	Rs.	Acres.	Rs.
1871-72	333,120	10,42,814	519,374	11,32,919
1872-73	353,621	11,01,288	586,965	12,11,361
1873-74	401,622	13,17,663	647,712	13,43,807
Increase ...	48,001	2,16,375	60,747	1,32,446

* The rainfalls of the Dun, Tarai, Bijnor, Jhansi, and Hamirpur, where the areas of irrigation are small, are excluded in calculating this average.

III.—COMPARATIVE TABLE OF AREAS OF THE FOUR MOST VALUABLE CROPS—SUGARCANE, RICE, INDIGO, AND COTTON—IRRIGATED DURING THE PAST SEVEN YEARS.

Class.	Crops.	1867-68.	1868-69.	1869-70.	1870-71.	1871-72.	1872-73.	1873-74.
		Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
I.	Sugarcane	87,050	97,535	104,596	112,141	94,816	102,253	130,578
II.	Rice	97,867	111,019	117,548	96,479	76,850	84,973	74,067
III.	Indigo	47,926	76,687	130,248	118,897	119,617	130,985	144,094
IV.	Cotton	8,265	52,902	55,883	35,070	20,365	14,799	16,353

IV.—TABLE SHOWING WATER-RATES AND GROSS REVENUE PER ACRE ON EACH CANAL FOR THE PAST THREE YEARS.

Canals.	Gross Revenue per acre.			Water-rate per acre.		
	1871-72.	1872-73.	1873-74.	1871-72.	1872-73.	1873-74.
Ganges Canal	2·60	2·48	2·53	2·35	2·29	2·36
Eastern Jumna	2·75	2·86	3·27	2·58	2·66	2·98
Dun	3·90	2·55	3·83	2·05	1·83	1·93
Rohilkhand	0·48	0·47	0·56	0·43	0·43	0·47
Bijnor	2·24	1·28	1·59	1·48	1·18	1·49
Bundelkhand Irrigation Works ...	1·80	1·32	2·17	1·44	1·66	1·88

7. *Area irrigated.*—With a higher average rainfall than that of last year, there was an increase in irrigated area of 110,000 acres. This fact shows how dependent the country is upon seasonable rather than upon copious rains. The increase this year is due partly to the failure of early kharif rains, partly to the failure of winter rains in the lower Doab. There is again a large increase in the area of the more valuable crops of sugarcane and indigo, but a decrease in rice, which is accounted for by the operation of a recently increased rate.

8. *Water-rate per acre.*—The average water-rate per acre irrigated by all canals during the year was 2·32. On the Ganges and Eastern Jumna Canals the average rates were 2·36 and 2·98 respectively, both higher than last year's rate. This increase is due to the irrigation of the more valuable crops in the kharif, which, in the case of the Eastern Jumna Canal, raised the revenue above that of last year, even with a smaller irrigated area. There is an increase in water-rate on all the other canals. The decrease in the average rate on the Dun Canals from that of 1871-72 is caused by the large expenditure debited to revenue, and by the rates having been altered. As this reduction has not caused the anticipated increase n area, the question of raising the rates will be considered on His Honor's approaching visit to the Dun. The high average gross revenue per acre on these canals is due to the profits derived from other sources, chiefly from water-power. That of the Eastern Jumna Canal is augmented by returns from water-power and plantations. The slight difference in the two average rates of gross revenue and water-rate per acre, 2·53 and 2·36 respectively, on the Ganges Canal, shows that water-rate is its chief source of revenue.

9. *Ganges Canal.*—This has been a favourable year for the canal, as is proved by the increased profits from water-rate, nearly Rs. 3,00,000 in excess of last year's return. The successful irrigation in the Etawah division is specially worthy of notice, and does credit to the management of his division by Lieutenant F. V. Corbett, R. E. For the two past years the rabi irrigation of this division has been most favourable. The attention which has been directed to statistics of cost and of revenue of distributaries is bearing good fruit in the decreased charges for maintenance on the Ganges Canal, the result of the careful attention of Major C. C. S. Moncrieff, R. E., Superintending Engineer. The increase in charges on the Eastern Jumna Canal is understood to be temporary, and due to large works of improvement charged to revenue, which will, it is to be hoped, speedily restore the canal to the condition which was a proverb in the department. The charges of the present year were exceeded in 1870-71, but are higher than those of last year, and also of the years preceding 1871-72. The increase in revenue, notwithstanding the decrease in irrigated area, is satisfactory; and the increase derived from plantations has been already noticed in the resolution upon the plantation report.

No. 1118W., dated 17th October.

10. *Collection of Revenue.*—There is a decrease in these charges shewn by the Board's Statement F. The Board is desired to hasten its report on the question of dispensing with the attendance of patwaris, which was referred for their consideration a year ago.

11. There is a deficit in the revenue account of the Bundelkhand Canals for this year of Rs. 4,164, for which the Board will be requested to provide under the arrangements proposed

in their No. 981, dated 22nd September 1871, and concluded in the Resolutions* by His Honor the Lieutenant-Governor in this department, by which the lakes were put in charge of this department.

12. *Enhancement of Land Revenue.*—His Honor notices with satisfaction that some results have ensued from definite steps taken during the previous year to apply the owner's rate, enacted in Act VIII. of 1873, to the proprietors of muafi and settled lands. The Lieutenant-Governor observes with regret that the Board has not yet furnished the corrected returns of indirect revenue due to canals, as required by the orders of November 1873.† Nor have the returns of crops been received, nor have the reports of the increase of indirect revenue credited to canals during the past year been submitted in due time.

These defects have retarded the issue of this report, which includes tabular statements dependent on the figures of the Board.

A distinct explanation is now required from the Board of the measures taken to ensure punctuality in future.

13. Press delays have also occurred, which it is hoped will cease on the occupation of the Government Press buildings at Allahabad.

14. His Honor has much satisfaction in observing the growing prosperity of the canals of the North-Western Provinces, which is evinced in increased revenue, diminished cost of maintenance, ability to meet the annual charges of interest, and to diminish the amount of accumulated interest.

15. These results are due to the slow but certain action of improved administration, and, to the energetic management of the officers mentioned by the Chief Engineer, who have merited the cordial thanks of Government, to Major C. C. S. Moncrieff, R. E., and Mr. C. C. Anderson, Superintending Engineers, and other officers of various grades detailed in para. 102 of the Chief Engineer's Report. Sir John Strachey desires to take this opportunity, the first that has presented itself since he became Lieutenant-Governor, of acknowledging the excellent services which are being rendered to this Government by the distinguished body of officers employed in the Irrigation Branch of the Public Works Department in these Provinces. His acknowledgments are especially due to Colonel Greathed, and he holds himself fortunate in finding at the head of this important department an officer in whose ability and judgment the Government can place such complete confidence.

By order, &c.,

W. H. GREATHED, COLONEL, R. E.,
Joint Secy. to Govt., N.-W. P.

CHAPTER I.

REVENUE REPORT OF CHIEF ENGINEER OF IRRIGATION, NORTH-WESTERN PROVINCES, FOR THE YEAR 1873-74.

SECTION I.

FINANCIAL RESULTS.

Additions to capital account.

1. No further book additions have been made to the capital accounts of the canals since the last report was written.

Capitalization of abatement of land revenue.

The capitalization of abatement of land revenue has, however, been nearly completed, and the capitalized sum will probably in the course of the year be added to the accounts of all the canals. The sum to be added to the account of the Ganges Canal amounts to between eight and nine lakhs; that for the other working canals to about two lakhs more, excluding the Agra Canal, to which a capitalized sum of Rs. 1,09,000 was added in last year's accounts.

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* No. 791 I-C., dated 17th April 1872, and No. 2804 I—C., dated 21st November 1872.

† See Resolution, Revenue Department, North-Western Provinces, No. 2472A. of 3rd November 1873, para. 8.

State of capital account.

2. Table A., as usual, shows the capital account for each project at the beginning and close of the year under review, the additions this year being the actual expenditure on the works :—

TABLE A.

Works.	Outlay on construction, including share of establishment charges.		
	Up to end of 1872-73.	During 1873-74.	Up to end of 1873-74.
	Rs.	Rs.	Rs.
Ganges Canal	2,60,51,782	3,94,471	2,64,46,253
Lower Ganges Canal	5,44,389	26,43,475	31,87,864
Dun Canals	5,72,533	6,539	5,79,072
Rohilkhand Canals	10,36,606	1,54,966	11,90,972
Bijnor Canals			
Eastern Jumna Canal	20,61,773	15,645	20,77,418
Agra Canal	43,22,672	11,89,773	55,12,445
Ditto Irrigation Works	2,21,970	...	2,21,970
Bundelkhand Irrigation Works	72,027	2,379	74,406
Ditto Ditto Survey	1,68,682	61,808	2,30,490
Eastern Ganges Canal	2,52,674	18,066	2,70,740
Total ...	3,53,04,508	44,87,122	3,97,91,630

The capital sunk at the beginning of the year was Rs. 3,53,04,508, of which Rs. 2,97,94,121 was on account of works in operation.

Gross income for the year.

The expenditure during the year on all works was Rs. 44,87,122. Details have been given in the Progress Report. The gross direct income from all sources was Rs. 26,61,470,* which is Rs. 3,48,821 more than the income of 1872-73.

3. The following table shows that there was an increase under every head of revenue, that of water-rate being 91 per cent. of the whole increase, and this head of revenue itself 88 per cent. of the whole revenue :—

Year.	Water-rate.	Navigation.	Water-power.	Miscellaneous.	Plantations.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1870-71 ...	23,80,274	32,861	46,934	32,734	58,365	25,51,168
1871-72 ...	19,67,596	58,929	59,378	21,720	68,110	21,75,733
1872-73 ...	21,21,186	32,494	57,512	17,762	83,695	23,12,649
1873-74 ...	24,41,369	33,067	69,093	29,606	88,335	26,61,470

Of this increase Rs. 3,11,234 was due to the Ganges Canal, chiefly under water-rate (Rs. 2,99,385). On all the other canals, except the Dun, there was an increase, that on the Eastern Jumna being comparatively the least.

Working expenses.

4. At the same time there was a decrease in the working expenses of Rs. 46,488, and an increase to the net revenue of Rs. 3,96,309.

Income and expenditure on each canal.

Table B. shows details of income and expenditure for each canal :—

TABLE B.

Works.	Gross Revenue.	Charges. Expenditure. Maintenance, &c.	Direction and Executive Establishment, including remission.	Total.	Net profit or loss.
	Rs.	Rs.	Rs.	Rs.	Rs.
Ganges Canal	20,14,266	4,10,758	5,24,500	9,35,258	10,79,008
Eastern Jumna Canal	5,49,219	84,414	1,25,430	2,09,844	3,39,375
Dun Canals	49,954	14,081	13,428	27,509	22,445
Rohilkhand Canals	38,194	15,435	50,337	65,772	—27,578
Bijnor Canals	5,500	770	3,545	4,315	1,185
Agra Irrigation Works	...	...	...	...	...
Bundelkhand Irrigation Works ...	4,337	4,570	3,222	7,792	—3,455
Total ...	26,61,470	5,30,028	7,20,130	12,50,158	14,10,980

* Of this sum, Rs. 2,288 properly belongs to the year 1872-73, and through an omission in the office of the Executive Engineer, Aligarh Division, has not been brought to the notice of the Controller until lately; the sum being comparatively small, has been added to the assessed revenue of this year, and the tables have been drawn up on this basis. Any other method of accounting for it would involve altering all last year's tables, which would be a matter of some labour.

Percentage of net direct income on capital.

5. The percentage of net direct profits on the capital sunk on works in operation at the beginning of the year was 4·73. This is a higher percentage than has been reached since the prosperous years from 1868-69 to 1870-71.

Net, direct and indirect.

The amount of indirect revenue credited during the year was Rs. 5,91,499, and the net profits from direct and indirect revenue were 6·71 per cent. on the capital. The returns furnished by the Board of indirect revenue are not as accurate as could be wished. This matter is alluded to in another section.

The following Table C. shows the profits from direct and indirect revenue, drawn up from such information as has been furnished :—

TABLE C.

Year.	Capital at beginning of each year.	Profit from direct income.		Profit from direct and indirect income.	
		Amount.	Percentage on capital.	Amount.	Percentage on capital.
	Rs.	Rs.		Rs.	
1867-68	2,52,35,918	8,67,806	3·44	12,14,071	4·81
1868-69	2,58,73,056	21,25,828	8·21	24,72,813	9·55
1869-70	2,63,90,002	13,69,035	5·18	17,17,179	6·51
1870-71	2,71,46,310	13,84,746	5·10	17,52,436	6·45
1871-72	2,73,41,777	9,47,337	3·47	13,02,152	4·76
1872-73	2,92,86,499	10,14,882	3·46	16,06,701	5·35
1873-74	2,97,94,121	14,10,980	4·73	20,02,479	6·71

Interest charges for the year.

6. The charges for interest for works in operation during the year were Rs. 14,62,616 ; the net profits from all sources exceeded the charges by Rs. 5,39,863.

These results are summed up in abstract on pp. xxvii and xxviii of the appendix statements. It will be observed that these two statements, as last year, are based upon revenue assessed, and so differ slightly from those furnished by Controller, which show actual receipts. The tables of this review are all based upon these two statements.

The accumulated excess of interest charges over direct revenue on 31st March 1873 was Rs. 86,38,865 : at the close of the following year the excess was reduced to Rs. 80,99,002.

Comparative results on Ganges and Eastern Jumna Canals.

7. Table D. shows the comparative results attained on the Ganges and Eastern Jumna Canals for the last five years :—

TABLE D.—GANGES CANAL.

Year.	Gross revenue from all sources.	Revenue management.	Percentage on gross revenue.	Maintenance charges.	Percentage on gross revenue.	Total working expenses.	Percentage on gross revenue.	Gross Revenue.				Working Expenses.				Percentage of profits on capital.
								Per cubic foot of discharge at head.	Per mile of canal.	Per mile of distributary.	Per acre irrigated.	Per cubic foot of discharge at head.	Per mile of canal.	Per mile of distributary.	Per acre irrigated.	
	Rs.	Rs.		Rs.		Rs.		Rs.	Rs.	Rs.		Rs.	Rs.	Rs.		
1870-71 ...	19,10,318	4,60,933	24·12	4,16,316	21·80	8,77,249	45·92	441	2,921	622	2·402	204	1,341	286	1·144	4·50
1871-72 ...	15,79,040	4,59,426	29·09	4,57,283	28·96	9,16,699	58·05	370	2,414	513	2·003	218	1,463	297	1·371	2·74
1872-73 ...	17,03,032	4,99,027	27·35	5,29,300	31·08	9,95,397	58·44	356	2,773	547	2·485	208	1,621	320	1·456	2·74
1873-74 ...	20,14,296	4,52,295	22·45	4,82,963	23·97	9,35,258	46·43	427	3,280	615	2·532	198	1,523	286	1·175	4·10

EASTERN JUMNA CANAL.

1870-71 ...	5,66,367	1,10,267	19·47	71,467	12·62	1,81,734	32·09	592	4,356	904	2·192	190	1,398	289	0·834	19·75
1871-72 ...	5,27,824	1,12,338	21·26	86,770	16·44	1,99,008	37·70	538	4,060	871	2·738	203	1,531	328	1·032	16·66
1872-73 ...	5,27,906	1,08,489	20·54	1,11,903	21·15	2,20,392	41·72	502	4,061	844	2·867	209	1,694	352	1·196	15·01
1873-74 ...	5,49,219	1,11,612	20·32	95,232	17·33	2,09,844	38·20	583	4,225	879	3·203	222	1,614	335	1·24	16·45

The results on the Ganges Canal compare very favourably with those of past years; those of the Eastern Jumna Canal not so favourably. These results are reviewed at greater length in the sections devoted to these canals.

Cost of establishment.

8. Table E. compares the cost of establishment with the expenditure on works, revenue management, and maintenance.

TABLE E.

Chargeable to—	Share of Establishment. Executive, including cost of collection and remission.	Direction.	Total cost of establishment.	Other expenditure.	Percentage of Establishment to other Expenditure. 1872-73.	1873-74.
	Rs.	Rs.	Rs.	Rs.		
Original works	3,70,902	1,34,767	5,05,669	39,01,579	19·18	12·90
Repairs and plantations ...	86,062	18,143	1,04,805	5,30,028	21·74	19·77
Revenue management, including navigation and remissions [Rs. 14,959]	5,25,027	90,630	6,15,657	Assessments 26,61,470	25·63	23·12
Total ...	9,82,591	2,43,540	12,25,799	70,93,077	21·12	17·28
Survey, &c.						
Rundelkhand Irrigation Survey ...	54,857	2,380	57,237	4,571	...	...
Eastern Ganges Canal ...	14,171	676	14,847	3,219	...	...
Miscellaneous	34,197	23	34,220	47,460	...	...
Total ...	1,03,225	3,079	1,06,304	55,250	...	...
Total Original Survey and Miscellaneous Works ...	4,74,127	1,37,846	6,11,973	39,56,829	22·21	15·46
Grand Total ...	10,85,816	2,46,619	13,32,435	71,48,327	24·25	18·63

The reduced percentage upon the cost of these various heads is very satisfactory. This good result is due partly to the increased expenditure on the Lower Ganges Canal, whilst the establishment remains practically the same; but the actual decrease attained in maintenance of running canals is very important, and points to a real reduction in these charges. The results on the two principal canals will be found far more fully discussed below.

Collection of revenue.

9. Tables F. and G., submitted by the Board of Revenue, show satisfactory returns. The uncollected balance in Meerut Division, Aligarh district, is considerably larger than that of last year: in other districts it is smaller.

Table G. shows that the outstanding balances of last year have been accounted for. There are discrepancies in respect of districts Furukhabad and Cawnpore, for which explanation has been asked. There is a satisfactory decrease in the charges for patwaris and lumberdars: although the collections have been larger in 1873-74, the relative percentages for these charges of this year and last year stand at 3·61 and 4·3.

Attendance of patwaris at measurements.

Conclusions have yet to be formed upon Mr. Anderson's suggestion to dispense with the attendance of patwaris at measurements, which was noticed in last year's report. Many replies have been received, but the Board's reply is still awaited.

TABLE F.

STATEMENT OF DEMANDS, COLLECTIONS, AND BALANCES ON ACCOUNT OF CANAL RATES FOR 1873-74.

Division.	District.	Year.	Demands.	Collections.	Remitted.	Balance.	Particulars of Balances. Real. In train of liquidation.	Real. Doubtful.	Real. Irrecoverable.	Nominal.	Percentage of balance on demand.	Amount distributed in patwaris' and lumbardars' fees.	Percentage of fees on total collections.	Remarks.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			Rs.		
Meerut ...	Dehra Dun		25,129	24,882	24	223	196	27	...	...	·84	709	2·84	
	Saharanpur		2,26,726	2,25,953	773	...	...	...	...	...	...	10,707	4·74	Increase due to a larger area than usual of sugarcane having been irrigated.
	Muzaffarnagar		3,65,692	3,64,799	893	...	...	...	...	...	...	16,020	4·39	
	Meerut		5,26,118	5,25,800	318	...	...	...	...	...	...	24,806	4·72	
	Bulandshahr		2,64,378	2,62,590	819	969	750	199	20	...	·36	5,220	1·99	
	Aligarh		2,20,477	2,10,348	55	10,074	10,074	...	...	...	4·57	7,676	3·64	Increase attributable to the remodelling of the distributaries and to the dry winter.
	Total ...	1873-74...	16,28,520	16,14,372	2,882	11,266	11,020	226	20	...	·69	65,138	4·03	
	Total ...	1872-73...	14,55,985	14,52,704	1,094	2,187	2,105	76	6	...	·15	62,852	4·33	
Kumaun ...	Tarai ...		4,673	4,673	...	...	...	...	...	...	...	96	2·05	The increase is due to scanty rainfall and a consequent larger demand for water.
	Total ...	1873-74...	4,673	4,673	...	...	...	...	...	...	...	96	2·05	
	Total ...	1872-73...	3,204	3,204	...	...	...	...	...	...	...	56	1·75	
Rohilkhand.	Bijnor		5,171	5,171	...	...	...	...	...	...	...	...	...	Increase partly to the lateness of the rains, and partly to increased appreciation of irrigation.
	Bareilly		27,326	27,324	2	...	...	...	...	...	...	858	3·07	Increase attributable to the opening of new rajbahas and to the scanty rainfall.
	Total ...	1873-74...	32,497	32,495	2	...	...	...	...	...	...	838	2·57	
	Total ...	1872-73...	23,556	23,003	...	553	553	...	...	...	2·35	333	1·44	
Agra ...	Muttra		13,461	13,461	...	...	...	...	...	...	...	604	4·48	The decrease is due to the transfer of Pargana Jalesar to Agra.
	Agra		26,255	20,518	...	5,737	5,737	...	...	...	21·85	...	...	Increase owing to the transfer of the Jalesar Pargana from the Muttra district.
	Farukhabad		72,581	72,561	20	...	...	...	...	...	...	3,022	4·16	
	Mainpuri		1,51,669	1,51,647	22	...	...	...	...	...	...	6,703	4·42	Failure of the winter rains.
	Etawah		2,13,042	2,12,807	235	...	...	...	...	...	...	8,555	4·02	Increase in demand attributable to a larger area having been irrigated for the year under report.
	Etah		57,490	57,395	1	94	94	...	...	...	·16	2,426	4·22	
	Total ...	1873-74...	5,34,498	5,28,389	278	5,831	5,831	...	...	...	1·09	21,310	4·03	
	Total ...	1872-73...	4,51,692	4,40,448	2,419	8,825	6,370	8	2,447	...	1·95	19,467	4·42	
Jhansi ...	Jhansi		1,081	1,013	58	10	1	...	9	...	·92	27	2·66	
	Total ...	1873-74...	1,081	1,013	58	10	1	...	9	...	·92	27	2·66	
	Total ...	1872-73...	755	732	23	...	...	...	...	...	.....	...	...	
Allahabad.	Cawnpore		2,34,990	2,34,921	69	...	...	...	...	...	...	...	...	
	Hamirpur		2,722	2,722	...	...	...	...	...	...	...	23	·84	
	Total ...	1873-74...	2,37,712	2,37,643	69	...	...	...	...	...	...	23	·0009	
	Total ...	1872-73...	1,79,075	1,78,859	105	111	111	...	...	...	·06	7,459	4·17	
	Grand Total ...	1873-74...	24,38,981	24,18,585	3,289	17,107	16,852	226	29	...	·7	87,432	3·61	
	Grand Total ...	1872-73...	21,14,267	20,98,950	3,641	11,676	9,139	84	2,453	...	·55	90,167	4·3	

Board of Revenue, N.-W. P., ...

E. ALEXANDER,
For Secretary to the Board.

TABLE C.

STATEMENT OF OUTSTANDING BALANCES FOR 1873-74.

Division.	District.	Year.	Total outstanding balance at the beginning of the year.	Removed from Outstanding Balances during the year.			Balance outstanding at the close of the year, excluding that of the year under review.	Date of oldest balance in column 8.	Remarks.
				Collected.	Remitted.	Total.			
1	2	3	4	5	6	7	8	9	10
			Rs.	Rs.	Rs.	Rs.	Rs.		
Meerut ...	Dehra Dun	...	355	350	5	355	...	...	
	Saharanpur	...	...	...	...	...	...	...	
	Muzaffarnagar	...	...	...	...	...	...	...	
	Meerut	...	...	...	...	...	...	...	
	Bulandshahr	...	476	430	46	476	...	...	
	Aligarh	...	1,357	1,041	6	1,047	310	...	
	Total ...	1873-74 ...	2,188	1,821	57	1,878	310	...	
	Total ...	1872-73 ...	10,248	9,551	696	10,247	1	...	
Kumaun ...	Tarai	...	...	...	...	...	...	...	
	Total ...	1873-74 ...	...	...	...	...	...	...	
	Total ...	1872-73 ...	...	...	...	...	...	...	
Rohilkhand ...	Bijnor	...	...	...	...	...	...	...	
	Bareilly	...	553	553	...	553	...	...	
	Total ...	1873-74 ...	553	553	...	553	...	...	
	Total ...	1872-73 ...	945	945	...	945	...	...	
Agra ...	Muttra	...	2,479	32	2,447	2,479	...	...	
	Agra	...	4	4	...	4	...	...	
	Farukhabad	...	7,040*	7,023	17	7,040	...	...	* Explanation of the difference of Rs. 698 has been called for by the Board.
	Mainpuri	...	...	...	...	...	...	...	
	Etawah	...	...	...	...	...	...	...	
	Etah	...	...	...	...	...	...	...	
	Total ...	1873-74 ...	9,523	7,059	2,464	9,523	...	...	
	Total ...	1872-73 ...	4,280	3,433	149	3,582	698	...	
Jhansi ...	Jhansi	...	...	...	...	...	...	...	
	Total ...	1873-74 ...	...	...	...	...	...	...	
	Total ...	1872-73 ...	62	56	6	62	...	...	
Allahabad ...	Cawnpore	...	...†	...	...	...	...	...	† The balance of Rs. 111 reported in last year's statement not entered here. Explanation has been called for.
	Hamirpur	...	...	...	...	...	...	...	
	Total ...	1873-74 ...	...	...	...	...	...	...	
	Total ...	1872-73 ...	...	...	...	...	...	...	
	Grand Total ...	1873-74 ...	12,264	9,433	2,521	11,954	310	...	
	Grand Total ...	1872-73 ...	15,535	13,985	851	14,836	699	...	

Board of Revenue, N.-W. P.;
Dated Allahabad, the 14th November, 1874.

E. ALEXANDER,
For Officiating Secretary.

SECTION II.

AGRICULTURAL STATEMENT.

10. The water and navigation rates in force during the year are shewn in the table below:—

TABLE OF RATES FOR GANGES CANAL AND EASTERN JUMNA CANAL.

Class.	Nature of Crop.	Per acre irrigated.		Per
		Natural flow.	Lift.	
		Rs. A. P.	Rs. A. P.	
I.	Sugarcane, rice	5 0 0	3 5 4	Year.
II.	Tobacco, opium, vegetables, orchards, and water-nuts	3 0 0	2 0 0	Crop.
III.	All rabi crops, indigo and cotton	2 4 0	1 8 0	Do.
IV.	All kharif crops not specified above	1 10 8	1 0 0	Do.

TABLE OF RATES FOR DUN CANALS.

Class.	Nature of Crop.	Rate.
		Per year.
	Bejapur Canal.	Rs. A. P.
I.	Sugarcane	5 0 0
II.	Garden produce, 1st class rice, tobacco, opium, water-nuts (singhara) ...	3 0 0
III.	Indigo, cotton	2 4 0
IV.	Second class rice, wheat, oats, and all other inferior crops	1 4 0
	Rajpur, Katta Putta, and Kalinga Canals.	
I.	Sugarcane	5 0 0
II.	Garden produce, 1st class rice, tobacco, opium, water-nuts (singhara) ...	3 0 0
III.	Indigo, cotton	2 4 0
IV.	Second class rice, wheat, oats, all other inferior crops	0 12 0

Class.	Nature of Crop.	Rate.
		Per year.
	Jakhan Canal.	Rs. A. P.
I.	Sugarcane	5 0 0
II.	Garden produce, 1st class rice, opium, water-nuts (singhara)	2 4 0
III.	Indigo, cotton	...
IV.	Second class rice, wheat, oats, all other inferior crops	0 12 0
	Rate for tea on all canals Rs. 0-12-0 for each watering	..

	Rohilkhand Canals.	Flow.	Lift.
		Rs. A. P.	Rs. A. P.
I.	Garden and orchards, per crop	2 0 0	1 0 0
II.	Sugarcane, tobacco, opium, and water-nuts, 1st watering ...	(*a*) 0 8 0	(*b*) 0 4 0
III.	All cereals, pulses, and oil-seeds, ditto	(*c*) 0 4 0	(*d*) 0 2 0

(*a.*) Increasing 4 annas at every subsequent watering.
(*b & c.*) Ditto 2 annas ditto ditto ditto.
(*d.*) Ditto 1 anna ditto ditto ditto.

Class.	Nature of Crop.	Per acre irrigated.		Per
		Natural flow.	Lift.	
	Hamirpur and Jhansi Lakes.	Rs. A. P.	Rs. A. P.	
I.	Sugarcane	3 5 6	1 10 9	Year.
II.	Rice, tobacco, opium, vegetables, gardens, and water-nuts	2 4 0	1 2 0	Crop.
III.	All rabi crops	1 11 0	0 13 6	Do.
IV.	All kharif crops not specified above	1 2 0	0 9 0	Do.

CHARGES FOR TIMBER RAFTED AND BOATS PLYING ON THE GANGES CANAL.

			Pies.
1st Class.	Logs, whether round or squared, exceeding 2½ feet in girth ...	Per mile per 100 cubic feet or raft	9
2nd Class.	Logs, less than 2½ feet, including karris, bullas, sleepers, &c. &c. ...	Ditto ditto	4
3rd Class.	Bamboos	Ditto ditto	2
4th Class.	Firewood	Per mile per 100 cubic feet or raft	4
			Rs. A. P.
Boats, irrespective of size	... ...	Per mensem ...	4 8 0

The only alteration in this table from that shewn in last year's report is that rice has been made a 1st class crop on the Ganges and Eastern Jumna Canals.

The new rates to be levied tentatively on the Rohilkhand Canals, and the water and navigation rates proposed for the Agra Canal, have no connection with the year under review.

Areas irrigated.

11. The areas irrigated since 1867-68 are shewn in Table H :—

TABLE H.

Year.	Ganges Canal.	Eastern Jumna Canal.	Dun Canals.	Rohilkhand Canals.	Bijnor Canals.	Bundelkhand. Jhansi.	Bundelkhand. Hamirpur.	Total.
1868-69 ...	1,078,399	274,101	14,223	70,803	3,052	118	1,222	1,441,918
1869-70 ...	780,406	251,067	10,429	45,433	1,376	122	840	1,089,673
1870-71 ...	766,614	212,715	12,419	56,233	1,882	154	792	1,050,808
1871-72 ...	606,555	192,750	11,039	39,331	1,635	180	1,004	852,494
1872-73 ...	685,170	184,154	14,002	52,244	3,406	441	1,169	940,586
1873-74 ...	795,314	168,048	13,043	67,486	3,449	574	1,420	1,049,334

Increase in area for the year.

The area for this year was 108,748 acres more than that of last year, and only 40,339 less than that of the famine year, 1868-69. Of the increase 48,001 was obtained in the kharif and 60,747 in the rabi.

Table H. shows that the increase has been due to the Ganges and Rohilkhand Canals, while on the Eastern Jumna Canal there is a considerable falling off in area, principally due to the increased rate charged for rice, but also to the fact that the rainfall was favourable for the rabi harvest in the districts of the Upper Doab, which are those watered by the Eastern Jumna Canal.

It is chiefly an increase of the irrigation of the more valuable crops, sugarcane and indigo, which has produced such favourable results in the revenue. This result is especially remarkable on the Eastern Jumna Canal, where, though the average is less, the revenue is higher than that of last year.

The rabi was specially favourable to irrigation in the divisions below Bulandshahr. In the divisions further north, late September rains kept the ground moist until the season was far advanced, and so checked the demand. An unusual quantity of water accordingly was passed down to meet the heavy demand of the lower divisions.

The Etawah division shows the highest increase of irrigation, the area being 42,968 more than in the preceding year. At the same time the increase on the sister Cawnpore division was not 20,000 acres. The Superintending Engineer attributes this to faults of management, consequent on frequent recent changes of officers. But the difference is sufficiently accounted for by the fact that in the Etawah division the principal distributaries are large new ones, constructed on the latest principles, whereas in Cawnpore very defective distributaries have as yet been only partially improved.

Proportion of kharif to rabi.

12. The two following tables show the proportion of kharif to rabi irrigation and the areas of the principal crops :—

Year.	Kharif.	Rabi.	Proportion of kharif to rabi. Percentage of kharif.	Percentage of rabi.
1868-69	484,485	957,413	33·60	66·40
1869-70	501,625	588,048	46·03	53·97
1870-71	396,399	654,409	37·72	62·28
1871-72	333,120	519,374	39·08	60·92
1872-73	353,621	586,965	37·59	62·41
1873-74	401,622	647,712	38·27	61·73

Class.	Crops.	1868-69.	1869-70.	1870-71.	1871-72.	1872-73.	1873-74.
		Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
1	Sugarcane	97,555	104,596	112,141	94,810	97,814	130,578
2	Rice	111,019	117,548	96,479	76,850	84,055	72,952
3	Indigo	76,687	130,248	118,897	119,617	130,985	144,094
4	Cotton	52,992	55,883	35,070	20,365	14,799	16,353

The second table shows a large increase on sugarcane and indigo over all preceding years.

Rice irrigation on Ganges and Eastern Jumna Canals compared.

13. The total decrease in rice is only 11,103, although the decrease on the Eastern Jumna Canal, caused by increase of rates, is more than 16,000 acres. There was a large increase of rice irrigation on the Rohilkhand Canals, where the rates have not been raised. One good effect may be noticed of raising the rate for rice on the two principal canals, namely, that a good deal of sugar was planted on lands formerly used for rice on the Eastern Jumna Canal.

Wheat and barley irrigation.

14. In the rabi crops of wheat and barley there was an increase of 39,225 and 25,555 acres respectively, while in pulses there was a falling off of about 9,000.

Of the increase in wheat, 19,507 acres, more than 50 per cent. of the whole, was in the Etawah division, and 12,257, nearly 50 per cent. of the barley, was in the same division.

Taking the other extremity of the Doab, a falling off is apparent of nearly 4,000 acres in wheat on the Eastern Jumna Canal, and the area of barley to be quite trifling. As wheat cannot be grown without irrigation, the increase in its area may be attributed not to the variations of the season, but to a development of irrigation, specially apparent in the Etawah division.

Proportion of flow to lift irrigation.

15. The following table of the proportion of flow to lift irrigation shows an increased ratio of lift to flow, which is due to the large rabi irrigation in the lower divisions, where the relative levels of the country and of the canal surface render lift essential:—

Year.	Flow.	Lift.
1869-70	73·5	26·38
1870-71	74·1	25·9
1871-72	76·0	24·0
1872-73	72·3	27·7
1873-74	71·2	28·8

In a country where labour is plentiful, and where, through the saving effected by irrigation, it is 'liberated,' but not utilised, the tendency of lift irrigation to increase is not a discouraging sign, especially as it tends to check the lavish use of water, from which so many difficulties spring.

SECTION III.

1st CIRCLE OF SUPERINTENDENCE.

GANGES CANAL.

Main canal and distributaries. Increase mileage of distributaries.

16. The classification of main canal and distributaries is the same as that of 1872-73, the number of miles of main canal being 614. The mileage of distributaries for 1873-74 is quoted as 3,272 against 3,111 of the previous year. The Superintending Engineer explains that this increase is due partly to the opening out of new distributaries, partly to a re-adjustment of the lengths to be taken: in quoting the above mileage his rule has been to take the length of any State distributary upon which expenditure has been incurred; he should have added, from which irrigation has been practised, and revenue derived; otherwise by increasing the mileage a favourable rate for maintenance may be shewn at the cost of unduly depreciating the rate of revenue, which in a revenue report is undesirable. A further report on this subject has been promised; the materials are being collected from Executive Engineers.

Capital account.

17. The capital account at the beginning of the year stood at Rs. 2,60,51,782, as shewn in last year's report, no book addition having been as yet made, owing to the capitalization of diminution of land revenue not being completed. This will probably be added in the current year and shewn in the next report.

Expenditure on works.

Table I. shows that the gross expenditure on new works was Rs. 5,17,237, of which Rs. 1,22,766 was provided from reduction of stock balances, the net addition to capital being thus reduced to Rs. 3,94,471.

Net direct revenue.

18. The net direct revenue was Rs. 10,79,008, being a return of 4·14 on the capital sunk at the beginning of the year; a most satisfactory result, as compared with the percentage of 27·4 for the two previous years.

Indirect income.

19. The indirect income arising from increased land revenue due to irrigation was Rs. 3,81,708, which raises the percentage of profit to 5·60.

TABLE I.

Particulars.	Main Canal and Branches.	Distributaries and Drainage.	Total.
	Rs	Rs.	Rs.
Actual outlay	2,06,292	1,98,847	4,05,139
Share of tools and plant	7,915	7,629	15,544
Total ...	2,14,207	2,06,476	4,20,683
Share of executive establishment	37,653	36,295	73,948
Direction	11,511	11,095	22,606
Total ...	2,63,371	2,53,866	5,17,237
Deduct decrease in stock and receipts on capital account ...	...	...	1,22,766
Net increase to capital ...	...	...	3,94,471

Net profit.

20. Table J. shows the direct income, expenditure, and profits for the last three years. The year under review was favourable to irrigation, and partly no doubt accounts for the largely increased profits.

TABLE J.

Particulars.	1871-72.	1872-73.	1873-74.
	Rs.	Rs.	Rs.
Direct income	15,79,040	17,03,032	20,14,266
Expenditure	9,16,699	9,95,387	9,35,258
Net return	6,62,341	7,07,645	10,79,008
On a capital of	24,185,342	25,767,303	2,60,51,782
Or	2·74 per cent.	2·74 per cent.	4·14 per cent.

Revenue charges.

21. The details of expenditure debited to revenue, divided between the two heads of revenue management and maintenance, are shewn in Tables K. and L. Under revenue charges are shewn, as in last year's report, remissions, which are treated now as a charge instead of being deducted from the gross revenue. These are all remissions that are made after the delivery of khatiauni to the Collector, and represent revenue remitted or refunded on account of water given, and are rightly accounted for here as a charge. It will be seen that the charges for revenue management compare most favourably with that of the last two years. The charges by civil officers are higher this year in consequence of the increased revenue collected; under all other heads there is a large decrease.

22. Table L. shows that the cost of maintenance has been largely reduced, especially in establishment charges, which show a decrease of more than Rs. 20,000 on the expenditure of the two preceding years.

TABLE K.—REVENUE MANAGEMENT, GANGES CANAL.

Particulars.	1871-72.	1872-73.	1873-74.
	Rs.	Rs.	Rs.
Share of executive establishment	2,91,364	2,84,827	2,77,679
Ditto direction	75,777	84,008	66,448
Navigation	19,259	19,207	18,858
Expenditure by civil officers	70,000	71,311	76,345
Remission of revenue	3,016	6,674	*12,963
Total ..	4,59,416	4,66,027	4,52,293

* This amount is higher than that shewn in Controller's statements by Rs. 332, which amount was subsequently communicated to this office by the Executive Engineer, Etawah Division.

TABLE L.—MAINTENANCE AND WORKS OF IMPROVEMENT.

Particulars.	1871-72.	1872-73.	1873-74.
	Rs.	Rs.	Rs.
Maintenance.			
Share of executive establishment	75,255	65,303	52,177
Direction	15,141	19,240	12,487
Medical	800	2,014	2,029
Total Establishment ...	91,196	86,557	66,693
Repairs, and tools and plant	3,32,024	3,53,762	3,36,492
Plantations	34,063	43,243	41,991
Total Maintenance ...	4,57,283	4,83,562	4,45,176
Works of Improvement.			
Share of executive establishment	...	6,297	4,449
Direction	...	1,856	1,065
Total Establishment ...	...	8,153	5,514
Expenditure on works	...	37,645	32,275
Total Works of Improvement ...	...	45,798	37,789
Total maintenance and works of improvement. { Establishment ...	91,196	94,710	72,207
{ Works and plantations	3,35,178	4,34,650	4,10,758
Total ...	4,57,283	5,29,360	4,82,965
Total Working Expenses K and L ...	9,16,699	9,95,387	9,35,258

Returns from different sources.

23. Table M. shows the returns from different sources of revenue since 1867-68 :—

TABLE M.

Year.	Water-rate.	Navigation.	Water-power.	Miscellaneous.	Plantations.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1868-69	22,65,320	38,784	25,793	22,752	88,910	24,41,559
1869-70	17,57,573	33,796	20,637	18,912	60,465	18,91,383
1870-71	17,80,176	32,861	24,668	27,686	44,976	19,10,367
1871-72	14,25,875	58,929	30,495	16,079	47,652	15,79,040
1872-73	15,74,651	32,376	27,833	12,275	55,896	17,03,031
1873-74	18,74,027	33,038	34,301	18,597	54,303	20,14,266

Revenue compared with former years.

24. The total for the present year is only exceeded by that of 1868-69, the year of drought: the increase is principally in water-rate, the collections under which head are nearly Rs. 3,00,000 in excess of those of last year. There is also a satisfactory increase under water-power and miscellaneous collections.

Question of utilising water-power.

25. The question of further utilising the water-power of the canal is receiving attention. Superintending Engineer says that the distance of the canal from large cities is the principal cause of the water-power not being utilised. The deputation of a special officer to consider the question of erecting improved mills on the Ganges Canal has been directed.

Increase in water-rates.

26. Superintending Engineer in his report has pointed out that the increase in revenue from water-rates is largely due to the failure of the rains in June, which caused large demand for irrigation of the more valuable kharif crops of sugarcane and indigo.

27. There is a marked increase in the revenue of every division, as may be seen in page 5A. of Superintending Engineer's report.

Plantations and navigation.

28. The plantation report has been separately reviewed, and a summary of the navigation report will be found at the end of this section. The discrepancies in the figures stated here and in the reports are noticed further on.

Duty on distributaries.

29. It will be noticed that the Superintending Engineer has again this year drawn up both in detail and by divisions a table showing the cost of distribution and of maintenance, and the area irrigated per mile and per foot of discharge of distributaries. As he remarks, these returns are useful for purposes of general comparison, and it would be interesting to compare the results of different years, as well as to compare one set of distributaries with another. The chief benefit of such statistics is to lead officers in charge of the irrigation to consider how they can make the most of their means, and to husband their resources, so as year by year to show a more favourable return for their own division. The difficulties under which the distribution has to be occasionally carried out, owing to excess of water at unseasonable times, and the difficulty of procuring labour when required, is well exemplified in the report of Captain J. C. Ross, R.E.*

* *See page* 23*A., para.* 14.

But the happy results which can be brought about by care and energy have been exemplified in the successful administration of Major Moncrieff, which has invariably met with the approbation of Government during the five years of his career as Superintending Engineer of the 1st Circle.

Regulating supply and demand. *See page* 25 *A., para.* 58.

30. The necessity for husbanding the supply is shewn in the report of the Executive Engineer,* Aligarh Division, where he says that the demand is greater than the distributaries can carry. Captain Home, R. E., Executive Engineer, Eastern Jumna Canal, in paragraph 20 of his report has some useful remarks† on measuring the duty on distributaries for purposes of accurate comparison. The subject is a difficult one, and it is only by constant attention to discharges and close observation of results that scientific results can be attained. A table showing the duty per cubic foot of supply for periods of very high demand would be very valuable, and would be a useful aid to economical management. Such a table would be in fact more useful for questions of irrigating duty than one showing the average duty for the whole year, or even fasl, as there are periods in which the demand varies from time to time; and as Mr. Forrest truly remarks, the problem to solve is the amount of work that can be got out of a given quantity of water at times when every drop is required. The table at paragraph 9 of Superintending Engineer's report shows the best duty to have been obtained in the Aligarh, Cawnpore, and Etawah Divisions, ranging from 370 to 302 acres per mile. These divisions also show best in cost of maintenance and management.

† *See page* 10 *B.*

Insufficiency of rates in Aligarh division. *See page* 26*A., paras.* 64 *and* 65.

31. Captain Howard's remarks‡ on the insufficiency of water-rates in Aligarh will be read with interest, and taken in connection with those of Mr. Smith, the Settlement Officer, in reference to the same country, already brought to the notice of Government in the discussion upon the Agra Canal rates, are at this time worthy of careful consideration. Captain Howard calls attention to the high water-rate of Rs. 2-3-0 per acre realised in the past year, chiefly due to the improvements that have turned lift irrigation into flow, and he remarks that Government should reap a higher return for the capital sunk. A carefully worked out calculation in Mr. Smith's note shows that in watering an acre of land, lift irrigation has the advantage over well irrigation by a money value of 12 annas, and by a gain in time of four days—not to mention the saving of the cost and keep of bullocks and other expenses incident to wells. The gain of course in flush irrigation, for which two men are only required, and much time is saved, must be out of all proportion, and it is time to consider how much of this gain should be reaped by Government as a return for the works it has created.

‡

Water duty and measurement of discharges.

32. In last year's report the statement of water duty in Table VIII was prepared on the basis of periods of demand, instead of on the number of days for which the canal was open. It is, as Mr. Forrest points out, impossible to ascertain the periods of no demand for the whole length of the canal. Moreover, what Government insists upon knowing, as a proof of financial results, is the duty performed by the gross daily volume entering the canal. This instruction has been repeatedly impressed upon Superintending Engineers, who are at liberty, after giving this information, to add any further remarks they may wish to make upon net results. Table VIII, which shows the gross amount entering Roorkee for the two fasls and for the whole year, is now restored to conformity with the orders of Government. The only point to notice is, that in calculating the column showing the discharge for the whole year, Mr. Forrest has merely taken a mean between kharif and rabi. This is incorrect, and also without precedent. In the Chief Engineer's tables the correct discharge for the year is given, calculated from the data returned. Mr. Forrest has drawn up another table illustrating the quantities of water available and actually utilised during periods of highest pressure, which is useful, especially when taken in connection with the question lately raised as to the water-supply of the Lower Ganges Canal, and of the pressure likely to be put upon it. All such information is invaluable to those engaged in planning new projects. At the same time, for summarising and comparing synoptically the general results of different canals, the method in present use has been adopted and will be maintained.

* Calculation made by W. Smith, Esq., Settlement Officer, Agra, of comparative cost of canal lift and well irrigation. Proceedings $\frac{A}{W}$, September 1874, 129-32, page 13. [Printed at end of the Appendix Statements.]

Remarks by Mr. Beresford on discharges of distributaries.

* *See pages* 18 *and* 19 *A., paras.* 20 *and* 21.

33. Mr. Beresford, Executive Engineer of the Anupshahr Division, gives some useful information* (1) as to discharges and duty of different distributaries, which illustrates remarkably the various results caused by differences of soil through which the distributaries run; (2) as to the water received in the branch and actually passed down distributaries, showing the loss by evaporation and other causes, which amounted to 17·4 per cent. in the rabi. Accurate observations of this kind are most valuable in increasing the general stock of knowledge.

Average supply passing into the canal.

34. On the Ganges Canal the average supply passing Roorkee was—

Kharif ...	...	...	...	141 days,	5,309 cubic feet per second.
Rabi ...	...	...	...	174 „	4,228 „ „
Whole year ...	...	...	...	315 „	4,711 „ „

and the amount of actual consumption, excluding the water discharged at tails—

Kharif ...	...	...	...	...	...	...	4,806
Rabi ...	...	...	...	...	...	...	3,608
Whole year ...	...	...	...	...	...	...	4,144

Highest supply for kharif and rabi.

† *Page* 7 *A. of his report.*

35. Mr. Forrest's table† shows the highest supply for kharif to have been in June 6,022 cubic feet, of which but little passed off. For rabi the highest supply was 5,048 cubic feet, which was nearly all utilised. This is noteworthy, as showing the requirements for a year of unusual demand for irrigation.

Capability for supplying water.

36. It will be observed that the water utilised was less than that of last year, in which there was no unusual demand, which confirms the experience of 1868-69, that when water is urgently wanted it may be made to go further than under ordinary circumstances, and that our resources in this respect are still elastic.

Comparison between duty of Ganges and Eastern Jumna Canal.

37. The following table compares the duty obtained on the Ganges and Eastern Jumna Canal for the last ten years:—

Year.	Acres irrigated per cubic foot per second.				Water-rate per cubic foot per second.			
	Of head discharge.		Of actual consumption.		Of head discharge.		Of actual consumption.	
	Ganges Canal.	Eastern Jumna Canal.	Ganges Canal.	Eastern Jumna Canal.	Ganges Canal.	Eastern Jumna Canal.	Ganges Canal.	Eastern Jumna Canal.
1864-65 ...	140	220	...	...	222	314	...	...
1865-66 ...	133	145	...	...	294	374	...	...
1866-67 ...	138	224	154	224	307	498	343	498
1867-68 ...	135	196	156	208	314	496	354	527
1868-69 ...	218	285	232	291	477	623	487	625
1869-70 ...	169	246	188	246	380	572	419	572
1870-71 ...	177	223	198	227	411	572	443	582
1871-72 ...	144	196	188	205	340	507	442	531
1872-73 ...	143	175	162	184	328	468	373	492
1873-74 ...	168	180	191	188	397	539	452	502

The duty for both canals is considerably better than last year, especially for the Ganges Canal. There are several other years which show a considerably higher acreage duty for the Eastern Jumna, while there are few that show a better water-rate duty. On the Ganges Canal the two duties appear to rise and fall together; the reason of this is that the Eastern Jumna Canal has reached its utmost limit of acreage duty, but not of revenue, which admits of large improvement. On the Ganges Canal both acreage duty and revenue duty may yet be improved side by side.

Results shewn by Table D.

Decrease in revenue charges on Ganges Canal.

Comparative results of the two canals measured by the standard of water-supply.

38. Comparing the results of these two canals as shewn in Table D, a marked improvement will be seen to have taken place on the Ganges Canal in the decrease of cost of revenue management and of maintenance charges. The decrease in the former is especially remarkable. On the Eastern Jumna Canal, though these results show far better than last year, there is an increase on the charges for several previous years. The superiority of this canal over the Ganges, when calculating revenue results by the water-supply and length of channel, is again apparent. In working expenses, calculated by the same standard, the two canals have gradually approximated very closely until the Ganges Canal has this year decidedly gained the advantage over the other.

39. The preparation of Table N is complicated by the different methods of calculation adopted by various officers.

TABLE N.—GANGES CANAL.

Year and crop.	Length of canal.	Length of distributaries.	Number of villages irrigating.	Average supply passing Roorkee.	Area irrigated in acres. Total. Kharif and rabi.	Area irrigated in acres. Total. Whole year.	Per cubic foot of supply. Kharif and rabi.	Per cubic foot of supply. Whole year.	Per mile of Rajbaha. Kharif and rabi.	Per mile of Rajbaha. Whole year.	Total water-rate.	Per mile of canal.	Per mile of distributary.	Per cubic foot of head discharge.	Per acre irrigated.
	Miles.	Miles.		C. ft.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Rs.	Rs.	Rs.	Rs.	Rs.
1870-71 ... Kharif ...	654	3,069	4,783	3,981	266,683	766,614	67·0	177	87	250	7,70,396	1,178	251	194	2·89
1870-71 ... Rabi ...			5,061	4,618	499,931		108·2		163		10,08,971	1,543	329	218	2·02
1871-72 ... Kharif ...	654	3,078	4,314	4,180	232,688	606,555	55·7	144	76	197	6,66,082	1,018	216	159	2·86
1871-72 ... Rabi ...			4,407	4,203	373,867		89·0		121		7,59,793	1,162	247	181	2·03
1872-73 ... Kharif ...	614	3,111	4,389	5,164	249,191	685,170	47·8	143	79	220	7,06,060	1,149	227	136	2·85
1872-73 ... Rabi ...			4,905	4,575	437,979		95·7		141		8,68,379	1,414	279	190	1·98
1873-74 ... Kharif ...	614	3,272	4,428	5,309	287,842	795,314	54·2	168	88	243	8,67,229	1,414	265	163	3·01
1873-74 ... Rabi ...			4,685	4,228	507,472		120·0		155		10,06,798	1,640	308	238	1·98

H

The standard method of finding the discharge for the year consists in dividing the sum of total discharges by the number of days. Superintending Engineer will make a point of ensuring an invariable adoption of this method in compiling returns for the Revenue Report. The results of the table, as compiled in the Chief Engineer's office, compare very favourably with those of other years.

Percentage of executive charges on revenue.

40. Table O. shows the percentages of executive charges for revenue management and maintenance respectively on gross revenue :—

TABLE O.—GANGES CANAL.

Particulars.	1871-72.	1872-73.	1873-74.
Works (maintenance)	4·8	4·2	2·8
Revenue management	18·4	16·7	13·78

The figures shewn are most favourable, and are the result not only of the largely increased revenue, but of reduction of outlay, the result of successful administration.

41. Large outstanding balances of collection of water-rates are shewn in paragraph 13 of Superintending Engineer's report, which comes down only to 31st March; but the latter returns given by the Board in Table F. down to 30th September prove that the balances have been liquidated. Likewise the Controller states that the unrealised balances of miscellaneous revenue (collected by canal officers) are at present small, and restricted to assessments for 1874-75. The Aligarh Division shows a balance of Rs. 10,000, which is much larger than the balance of last year.

42. In future the Superintending Engineer should omit altogether his review of Collectors' collections, and confine himself to consideration of canal collections.

43. The percentage of cost of collections is slightly less than last year; in several districts, however, the cost has exceeded the five per cent. allowed.

NAVIGATION REPORT OF GANGES CANAL.

Discrepancy in statements of receipts.

44. The results of the year in the Navigation Department are detailed both by the Superintending Engineer and the Traffic Manager. The returns of Rs. 54,310, as quoted in those reports, show a large increase over those of last year; but in Appendix Statements 1A, 1B, 1C, of the 1st Circle, the gross revenue appears only as Rs. 33,038.

In the case of such a wide discrepancy as this, some explanation ought to have been submitted with the report. It will be seen that the difference between the two amounts is Rs. 23,462. Of this sum Rs. 6,495 is accounted for as due for outstanding bills, and there is no objection to this being included; but the large remaining balance of Rs. 16,967 is the sum disbursed as expenditure, which Mr. Conner says he was ordered to charge through miscellaneous advances account, and clear it off from receipts; he has, therefore, included this in his gross revenue.* This explanation is not clear. A new system of account has been opened this year, and in future the Traffic Manager's account will be audited by the Controller before being entered in these reports.

* *See page* 32 A.

Increase in carrying operations.

45. The increase in carrying operations is attributed partly to the famine in Bengal, which, in the first few months, drew a large traffic to the canal; but it may also be partly attributed to the increased facilities of traffic and accommodation.

Difficulties with which the traffic had to contend.

There was reason to expect that the famine would have increased the traffic to a greater extent than has been the case, but, as the Traffic Manager remarks, there were several difficulties against which navigation had to contend. Amongst these we may mention periods of low supply, the failure of Salawa lock in the height of the downward traffic, and lastly, the most important difficulty of all, the reduction of the railway rate for grain to one-eighth of a pie per maund per mile.

Traffic returns.

46. The traffic returns show a total of 2,031,873 and 314,543 maunds for the boats and rafts respectively plying throughout the year, being an increase of 829,582 and 78,127 maunds respectively over the returns of last year.

The ton-mileage for the year stands as follows :—

For boats, reckoning 18 miles on an average for each boat	13,621,155
For rafts at an average of 50 miles	582,500
Total Ton Mileage ...	14,203,655

Value of goods.

47. A rough estimate of the value of goods conveyed is given by the Traffic Manager at Rs. 35,86,263; the percentage of freight charges on this value is very small.

Table showing freight up and down.

48. A table of rates of up and down freight between the principal stations and Cawnpore, as charged by the boat owners, shows the cheapness of the traffic. Thus, the lowest charge for a distance of 350 miles from Hardwar to Cawnpore was Rs. 18-4 per 100 maunds:—

FREIGHT RULING ON THE GANGES CANAL BETWEEN CAWNPORE AND PLACES NAMED FOR NINE WORKING MONTHS OF 1873-74.

	Miles.	Down.			Up.		
		Highest.	Lowest.	Average.	Highest.	Lowest.	Average.
		Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.
Hardwar	350	22 3	18 4	20 3	23 14	21 4	22 9
Roorkee	331	21 1	17 8	19 4	23 12	21 3	22 8
Khatauli	288	22 7	19 3	20 11	16 10	15 4	17 1
Nanu	272	19 10	18 4	18 14	16 11	15 9	16 3
Raotha	181	12 1	11 2	11 10	10 0	8 14	9 7
Fatarpur	144	10 9	9 3	10 2	8 10	7 6	8 0

The reduced railway rate allowed by Government for grain traffic to the famine was one-eighth of a pie per maund per mile, which gives Rs. 6-8-2 per 100 maunds per 100 miles, or Rs. 22-12-7 per 350 miles, against the minimum down canal rate of Rs. 18-4-0.

Construction of boats.

49. It is satisfactory to note the improvement that has taken place in the size and build of boats; the former has been still further promoted by the increased headway of the bridges in the Cawnpore division. The Superintending Engineer observes:—"In 1869 a boat capable of carrying 350 maunds was considered large; now 102 out of 365 boats are plying on the canal carrying 750 maunds."

50. His remarks upon the increased activity in carrying operations at the wharves at Cawnpore lead us to expect increased returns from this source of revenue. The navigation charges are somewhat less than they have been in previous years.

SECTION IV.

2ND CIRCLE OF SUPERINTENDENCE.

EASTERN JUMNA CANAL.

Capital account.

51. The net increase to capital during the year was Rs. 15,645.

TABLE I.—EASTERN JUMNA CANAL.

Particulars.	Main Canal and Branches.	Rajbahas.	Total.
	Rs.	Rs.	Rs.
Actual outlay	4,799	2,514	7,313
Share of tools and plant	104	55	159
Total ...	4,993	2,569	7,472
Share of executive establishment	953	496	1,449
Ditto direction	269	140	409
Total ...	6,125	3,205	9,330
Add increase to stock and deduct receipts on capital account ...	...	...	6,315
Net increase to capital account ...	...	...	15,645

Percentage of net income to capital.

52. The net income was Rs. 3,39,375, being a return of 16·45 per cent. on the capital of Rs. 20,61,773 sunk on the works at the beginning of the year, or an increase of 1·44 per cent. on last year's return. This is the result of an increased gross revenue and decreased charges against revenue; still the return is not so good as that of 1871-72.

TABLE J.—EASTERN JUMNA CANAL.

Particulars.	1871-72.	1872-73.	1873-74.
	Rs.	Rs.	Rs.
Direct Income	5,27,824	5,27,996	5,99,219
Expenditure	1,99,008	2,20,292	2,09,844
Net return	3,28,816	3,07,704	3,39,375
On a capital of	19,73,320	20,49,353	20,61,773
Or	16·66 per cent.	15·01 per cent.	16·45

Revenue charges of Improvement :—

53. Tables K. and L. give full particulars of revenue and maintenance charges, and show that there is an increase on both heads. The decrease on the total charge is entirely due to a reduction under the head Works

TABLE K.—REVENUE MANAGEMENT, EASTERN JUMNA CANAL.

Particulars.	1871-72.	1872-73.	1873-74.
	Rs.	Rs.	Rs.
Share of executive establishment	70,108	62,523	64,159
Ditto direction	20,613	21,852	19,854
Navigation	...	...	...
Expenditure by Civil Officers	21,310	23,003	25,948
Remission of revenue	207	1,111	1,659
Total ...	1,12,238	1,08,489	1,11,612

TABLE L.—MAINTENANCE OF WORKS OF IMPROVEMENT.

Particulars.	1871-72.	1872-73.	1873-74.
Maintenance.	Rs.	Rs.	Rs.
Share of executive establishment	12,744	8,710	9,011
Ditto direction	2,873	3,044	2,780
Medical establishment	...	533	905
Total Establishment ...	15,617	12,487	12,705
Repairs, and tools and plant	62,170	66,012	70,300
Plantations	8,983	8,204	6,838
Total Maintenance ...	86,770	86,503	89,843
Works of Improvement.			
Share of executive establishment	...	2,584	850
Ditto direction	...	903	263
Total Establishment ...	...	3,487	1,113
Expenditure on works	...	21,813	7,276
Total Works of Improvement ...	...	25,300	8,389
Total Maintenance and Works of Improvement ... ... { Establishment	15,617	15,774	13,818
{ Works and Plantations ...	71,153	96,029	84,414
Total ...	86,770	1,11,803	98,232
Total Working Expenses, K. and L. ...	1,99,008	2,20,292	2,09,844

Increase in charges of Civil Officers.

54. The increase under the head Charges of Civil Officers, which means the cost of collections, is especially unsatisfactory, and, as shewn in paragraph 23 of Superintending Engineer's Report, these charges aggregate more than the sanctioned 5 per cent.

Gross revenue.

55. There is an increase under every head of revenue except Navigation, which is unimportant. This is satisfactory when it is observed that there is a decrease in irrigated area of 16,000 acres. The decrease is partly due to the falling off in rice irrigation from the influence of newly augmented rates, partly to the season in the upper Duab being favourable to agriculture without the use of canal water.

TABLE M.—EASTERN JUMNA CANAL.

Year.	Water-rates.	Navigation.	Water-power.	Miscellaneous.	Plantations.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1870-71	5,44,377	...	7,661	3,052	11,277	5,66,367
1871-72	4,97,838	10	9,434	2,073	18,470	5,27,825
1872-73	4,91,596	118	8,236	3,147	24,839	5,27,996
1873-74	5,01,306	20	11,643	5,164	31,078	5,49,219

Water-rate.

56. The increase in water-rate is entirely attributable to the high rate realised for kharif irrigation, which denotes an increase in the more valuable crops of the early kharif.

Deficiency in supply of water.

57. It is to be noticed that the supply of the Eastern Jumna Canal is at times unequal to the demand; and on this occasion we have a crucial instance of irrigation so strained for a certain period of the year, that the Superintending Engineer affirms that 300 cubic feet more could have been utilised with advantage, and relates that, in order to save the sugarcane, it was necessary to refuse water to the indigo; at the same time the rabi requirements were easily met. The failure was, of course, due not to the capacity of the canal, but to the lack of water in the river.

The whole indigo of the canal, however, was limited to 2,200 acres in 1872-73.

The average volume in April, May, and June, for the last three years, is as follows:—

	1871.	1872.	1873.
April	806	703	908
May	929	1,180	937
June	1,033	1,200	1,222

The tables show that full use is made of the water available.

Table N.
Increase in number of irrigating villages, &c.

58. In Table N. the principal facts to notice are the increase in number of irrigating villages, an increase of 9,708 in water-rate, coincident with a decreased area of 16,106 acres, and the increase of kharif water-rate over rabi.

TABLE N.—EASTERN JUMNA CANAL.

Year.	Length of canal.	Length of rajbaha (open).	Number of villages irrigating.	Average supply passing Kalsia.	AREA IRRIGATED. Total. Kharif and rabi.	AREA IRRIGATED. Total. Total.	AREA IRRIGATED. Per cubic foot of supply. Kharif and rabi.	AREA IRRIGATED. Per cubic foot of supply. Total.	AREA IRRIGATED. Per mile of rajbaha. Kharif and rabi.	AREA IRRIGATED. Per mile of rajbaha. Total.	Total water-rate.	Water-rate. Per mile of canal.	Water-rate. Per mile of rajbaha.	Water-rate. Per cubic foot of supply.	Water-rate. Per acre irrigated.
1871-72 ... Kharif	130	606	844	993	72,404	192,749	72·9	195·9	116·1	310·6	2,43,534	1,873	400	245	3·36
1871-72 ... Rabi			874	970	120,345		124·0		194·5		2,54,304	1,956	411	262	2·11
1872-73 ... Kharif	130	606	872	1,058	79,699	184,154	75·3	175·4	127·5	294·6	2,72,099	2,093	435	257·1	3·41
1872-73 ... Rabi			803	1,043	104,455		100·1		167·1		2,19,497	1,688	351	210·4	2·10
1873-74 ... Kharif	130	625	885	1,029	70,478	168,048	68·5	182·9	112·8	268·9	2,95,376	2,272	473	287	4·19
1873-74 ... Rabi			874	855	97,570		114·4		156·1		2,05,928	1,584	329	241	2·11

Establishment charges.

59. In Table O. the decrease in executive management due to maintenance is accounted for by the decrease under Works of Improvement :—

TABLE O.—EASTERN JUMNA CANAL.

Establishment charged to	1870-71.	1871-72.	1872-73.	1873-74.
Works (maintenance)	1·16	2·41	2·12	1·79
Revenue management	11·5	13·2	11·84	11·86

The increase of the charges of revenue management is again apparent.

Results of contracts.

60. The holders of contracts suffered no loss from the increased rates for rice, which could not be applied to those who held contracts previous to the enhancement.

Remissions.

61. The remissions due to errors are only 0·3 per cent. on the revenue, which is satisfactory. There is only one case of compensation for damages.

Distribution of water.

62. The measures referred to by Mr. Anderson in para. 26, page 5B., for the improvement of the distribution of water on the Eastern Jumna Canal, are full of promise.

DUN CANALS.

63. These consist of five small and inexpensive water-courses from which an increasing revenue is derived.

Capital account and percentage of profit.

64. The capital sunk at the beginning of the year was Rs. 5,72,533, increased by Rs. 6,539 during the year. The direct revenue was Rs. 49,954, and the working expenses Rs. 27,509, showing a net return of Rs. 22,405. The direct return is, however, swallowed up by the interest charges, and it becomes a matter for consideration how to remedy this.

Lowering of rates on Dun Canals.

65. Three years ago the water-rates of these canals were lowered upon a representation from land-owners that fresh land would be brought under cultivation and the area of irrigation increased. But no increase of area has followed this reduction; on the contrary both Superintending and Executive Engineers insist strongly on the necessity of raising the rates. The Government declined to terminate the experiment of lowering rates until it had been fairly tried; but as a good deal of money is being sunk in useful improvements, the means of obtaining a fair return must be re-considered. The present interest charge standing against the account of these small canals, with their capital of Rs. 5,72,533, is Rs. 3,02,503; their net profit, however, is in excess of this year's interest charge by Rs. 1,269.

66. Table O. shows the revenue on these canals for the last four years. There has been a gradual increase, less in the year under review than in previous years, on account of the season having been unfavourable to Dun irrigation, and because the profits of the year under review are diminished by a heavy work of renewal on the Kata Putther being charged to the revenue account, whereby the net direct profit is brought down to 3·91 per cent. on the capital.

TABLE O.—DUN CANALS.

Year.	Water-rate.	Water-power.	Miscellaneous.	Plantations.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
1870-71	26,940	14,605	1,359	209	43,113
1871-72	22,693	19,338	1,247	576	43,854
1872-73	25,663	21,443	1,942	767	49,814
1873-74	25,129	23,149	1,197	479	49,955

Recovery of balances of mill-rent.
Para. 37, p. 7B.

67. The Superintending Engineer should himself address the Superintendent of the Dun, and, if necessary, the Commissioner of the Meerut Division, in respect of the recovery of balances of mill-rent which the Executive Engineer has not been able to realise in the ordinary course, as explained in Mr. Anderson's Report.

Administration and condition of canals.

68. The administration and condition of the canals is all that can be desired.

YEAR.	Gross revenue.	Working expenses.	Net direct profit.	Percentage on capital.	Net direct and indirect profits.	Percentage on capital.	REMARKS.
	Rs.	Rs.	Rs.		Rs.		
1869 70 ...	38,281	24,327	13,954	2·58	18,701	3·45	The amount of indirect revenue in each of these years is Rs.4,717.
1870-71 ...	43,113	24,672	18,441	3·36	23,188	4·32	
1871-72 ...	43,854	26,358	17,496	3·18	22,243	4·04	
1872-73 ...	49,815	25,470	24,345	4·34	29,092	5·18	
1873-74 ...	49,954	27,509	22,445	3·91	27,192	4·73	

AGRA IRRIGATION WORKS.

Agra Irrigation Works.

69. These have been definitely abandoned after a capital of Rs. 2,21,970 had been spent on them. The interest charges amount to 1¼ lakhs. The question of wiping the debit off the irrigation accounts is now before the Government of India.

SECTION V.

3RD CIRCLE OF SUPERINTENDENCE.

ROHILKHAND CANALS.

Capital and net revenue.

70. The capital sunk at the beginning of the year was Rs. 9,66,040, increased during the year by Rs. 1,54,996, spent chiefly on the construction of two new canals. The gross revenue, direct and indirect, was Rs. 70,801, and the working expenses were Rs. 65,772, so there was a net profit of Rs. 5,029.

Interest charges.

71. The interest charges for the year are Rs. 53,188, or Rs. 48,159 in excess of the net revenue, according to Controller's capital and revenue accounts. The results are shewn at pages xxvii and xxviii of the appendices.

New rates for Rohilkhand Canals.

72. The new rates for these canals, sanctioned by the Government of India as a tentative measure, were not in force for the year under review; and it has been decided not to raise the rate for sugarcane, owing to the discouraging results of the current year. The prospects of increasing the water-supply of these canals from the Sarda having been disappointed, measures have been taken to reduce the cost of management. The policy pursued now is to improve the existing lines, rather than to design new ones. The effect of these remedial measures, and of the completion of the Kicha and Kailas canals, will no doubt greatly improve the financial position of these canals.

73. The effect of the ruling of 1867, which deprived these canals of the power of raising water-rate for irrigation from waters conveyed in natural channels, and created an annual loss of 39 per cent. of the total* irrigated area, is terminated by the powers conferred under Act VIII of 1873.

BIJNOR CANALS.

74. The revenue was Rs. 6,500; the working expenses Rs. 4,315; the net revenue Rs. 1,185.

Discrepancies in financial statements of Collector and Controller.

75. The difference in working expenses, as stated by Collector and as given in Controller's statement, requires explanation. Collector states his working expenses at Rs. 1,831, showing a net revenue of Rs. 3,669. Controller explains that in his accounts the former have been unduly increased and the latter diminished in adjustment of old outstandings in the civil accounts, so that the profits are shewn to be less than they ought to be. It may be noticed that the gross revenue which is correctly stated by Collector has steadily improved for the last five years; the net profits are, however, still swamped by the interest charges. The proportion of flow to lift irrigation stands as last year, at two to one. The Collector explains the cause of the falling off of flow irrigation to be due to the failure of water for the last two years in the Gangan river.

SECTION VI.

BUNDELKHAND.

Financial results.

76. The revenue for the Hamirpur and Jhansi lakes is Rs. 4,337, and the expenditure Rs. 7,792. Of this amount, Rs. 3,647 was upon special repairs, the cost of which is divided proportionally between capital and revenue. Thus, for instance, out of an estimate of Rs. 4,644 for repairs to Muggerwara lake, Rs. 2,379 was debited to capital, and Rs. 2,265 to revenue, which amount forms a large part of the above maintenance charges.

* This, in a good year, similar to 1866-67, would represent a loss of revenue of Rs. 17,000.

77. The improvements which have been carried out, and which are contemplated, will doubtless bear fruit in future years. Some considerable, but inexpensive improvements have been planned and sanctioned in communication with the Revenue Department this year, amongst which we may mention estimates of Rs. 473 and Rs. 2,500 for the northern and southern channels, respectively, of the Puchwara lake. The execution of the latter project is estimated to bring 500 acres under irrigation, which includes a fine tract of culturable waste. A distinct agreement has been demanded from the Revenue Department that the extra revenue obtained from lands irrigated from the lake will be credited to the canal account.

Improvements of irrigation channels.

78. Turning to a note in 1872 by the Chief Engineer of Irrigation on the subject of irrigation in Bundelkhand, it is observed in paragraph IV that the great difficulty which has presented itself hitherto in the matter of these lakes is, that the returns are insufficient to pay the cost of establishment and maintenance, on account of the depreciation of the revenue by the existence of *Kadimi abpashi* rights. But in paragraph V it is added that the Board has now agreed to recommend that this enhancement shall be credited to irrigation revenue, by which means this department saw its way to a fair return upon expenditure. The arrangement by which this department was ensured against any loss in undertaking the management of the lake irrigation was distinctly set forth by the Board in their letter, and it was on the understanding that this would be carried out that the lakes were given over to this department in a Resolution by His Honor the Lieutenant-Governor. No definite steps, however, appear to have been taken in this matter, and this Government in the Revenue Department has also decided to leave for the present the question of levying owner's rate on the *Kadimi abpashi* lands in Hamirpur in which the period of settlement has expired.

Effects of *Kadimi abpashi* rights.

No. 231 *I.-C., dated 2nd February* 1872.

No. 921, *dated 22nd September* 1871.

No. 791 *I.-C., dated 17th April* 1872.

79. The areas irrigated for the year under review are 574 and 1,420 acres, respectively, for the Jhansi and Hamirpur lakes. Including indirect revenue, and exclusive of interest charges, the net loss on the year's operations is 905, which, considering all these adverse circumstances, is less than might have been expected; but it is now necessary that the Board should be called upon to reimburse this loss under the arrangements above alluded to.

Reimbursement of loss on lakes.

80. The Executive Engineer in his report upon the Jhansi lakes remarks upon the necessity of some restriction being put upon the *Kadimi* cultivators with regard to the use of water, and adds that under the present conditions the administration is impeded. It is remarked that the orders upon this point in the Government Resolution,* giving over the charge of the lakes to this department, are distinct, and that no such difficulties should exist.

Remarks on administration.

* *No.* 2804 *I.-C., dated 20th November* 1872.

81. The following statement shows the loss incurred by this department on the lakes this year:—

Statement of loss incurred.

† Items as follows:—

Maintenance and Repairs.		*Establishment.*		Expenditure against revenue, as shewn by Controller	†7,716
Hamirpur ...	2,241	Hamirpur...	1,707	Remissions	76
Jhansi ...	2,329	Jhansi ...	1,439	Total Expenditure ...	7,792
	4,570		3,146		
		TOTAL ...	7,716		

The revenue and interest accounts stand thus—

REVENUE ACCOUNT.

	Gross Revenue, including indirect.	Working Expenses.	Net Revenue.
Hamirpur	3,239	3,993	—754
Jhansi	3,648	3,799	—151

INTEREST ACCOUNT.

	Net Revenue.	Interest Charges.	Total deficit.
Hamirpur	—754	44	—798
Jhansi	—151	3,215	—3,366
TOTAL ...	—905	3,259	—4,164

The total amount which should be recouped by Revenue Department is Rs. 4,164.

SECTION VII.

ENHANCEMENT OF LAND REVENUE DUE TO CANALS.

82. A reference to the corresponding section of the Revenue Report for 1873-74 will show that the subject of enhancement of land revenue had been carefully considered in this Department, and efforts had been made to get the amounts of land revenue credited to canals determined under the instructions of the Board on some fixed principles.

Orders passed by Government on enhancement of land revenue.

The results of careful enquiries, detailed in Proceedings* of this Department, led to the issue of a Resolution† in the Revenue Department, dated 3rd November, addressing orders on this subject to the Board of Revenue.

*A, *January* 1873, *Nos.* 8—44, *and June* 1873, 12—17.

† *No.* 2472*A*.

The results of enquiry are promised at an early period.

83. The statement of amounts credited in 1873-74 has not been obtained this year, but only a statement showing the increase credited in 1873-74 for four districts, Muzaffarnagar, Aligarh, Etah, and Etawah, which was received on the 21st November.

Increased enhancement in four districts.

I. *Aligarh.*—Shows a net increase of Rs. 566.

II. *Etawah.*—There is an increase of Rs. 7,220 over that of previous years in pargana Etawah.

III. *Etah.*—There is an increase of Rs. 2,081 in pargana Sakit.

IV. *Muzaffarnagar.*—The statement now submitted returns the revenue credited in previous years as Rs. 1,03,000, increased in 1872-73 by a sum of Rs. 2,327 credited for pargana Jansath. In our statements of last year it was shewn that the credit of previous years was to be increased by a sum of Rs. 10,500 obtained from Khatauli and Jansath, and this is the sum (Rs. 1,13,500) which is taken as the credit for Muzaffarnagar in the Resolution‡ in the Revenue Department above alluded to. These figures were based upon information received from the Board in their No. 986, dated 17th September 1872, and as the figures now given can be brought into no degree of accord with the former, the Board will be asked to explain this difference. The additional revenue credited for the year under review is Rs. 35,743. Of the total amount, Rs. 60,000 is credited to the Eastern Jumna, and Rs. 81,071 to the Ganges Canal. The details of the increase are shewn in the tables.

‡ *No.* 2472*A of* 1873.

It is much to be desired that the corrected returns for 1873-74 and those for 1874-75 may be presented at an early date.

Tables showing progress of settlements in canal-irrigated parganas.

84. The following Tables A, B, and C, are given as usual, showing the progress of settlement operations as far as they concern canal-irrigated parganas:—

A.—COMPLETE ASSESSMENTS DECLARED.

Districts.	Amount of enhancements due to canals.
	Rs.
Saharanpur	79,369
Meerut	1,25,239
Bulandshahr	33,418
Aligarh	88,632
Mainpuri	23,965
Farukhabad	10,410
Dun	4,747
Jhansi	2,550
TOTAL ...	3,68,330

B.—ASSESSMENTS INCOMPLETE.

District.	Parganas in which assessments have not been declared.	Parganas completed.	Amount entitled to canals.	Total by districts.
			Rs.	Rs.
Muzaffarnagar ...	General revision in progress; amounts not yet declared ...		...	1,41,071
Etah ...	Etah	Moradabad	11,700	
		Sonhar	142	
		Bilram	597	
		Sakit	2,081	14,520
Etawah ...	.....	Bharthna	11,309	
		Bidhuna	4,579	
		Phaphund	11,863	
		Etawah	7,220	34,971
Bareilly ...	Jahanabad	Ritcha	10,407	
	Mainajbandi ...	Nawabganj	13,509	
	Karor	Chaumalla	5,050	
		Kabar and Sarsawan... ...	3,641	32,607
Bijnor ...	Nagina	Nehtaur	...	...
		TOTAL ...	...	2,22,969

C.—SETTLEMENT NOT COMMENCED OR ASSESSMENT NOT YET DECLARED.

District.	Canal-irrigated parganas.	District.	Canal-irrigated parganas.
Agra ...	Firozabad.	Cawnpore ...	Derapur.
Muttra ...	Nao Jhil.	Ditto ...	Akbarpur.
Ditto ...	Jalesar.	Ditto ...	Ghatampur.
Cawnpore ...	Sarh Salimpur.	Ditto ...	Bhajarpur.
Ditto ...	Bilhaur.	Tarai ...	Kilpuri.
Ditto ...	Rasulpur.	Ditto ...	Rudarpur.
Ditto ...	Jajmau.	Hamirpur ...	Mahoba.
Ditto ...	Shiurajpur.	Ditto ...	Jeitpur.

IMPOSITION OF OWNER'S RATE UNDER ACT VIII OF 1873.

Owner's rate.

85. During the year under review this question met with full consideration from both irrigation and revenue officers.

Steps taken on the issue of last year's report.

A reference to Section VII of Chief Engineer's Review of last year's Revenue Report will show that at the date of issue of that report the opinions of the Board had been taken on the subject, and the procedure to be followed had been laid down by Revenue Department Resolution* on the principles adopted in Sir William Mtir's minute.

* *No.* 2534 *A, dated* 8*th November* 1873.

Rule submitted to Government of India.

86. In the course of the year, a rule for the levy of the rate was submitted† to the Government of India, proposing to take, as a tentative measure, one-third of the amount of water-rate levied on occupiers as the rate to be levied on owners. It was proposed to make the rule immediately applicable to muafi or rent-free lands.

† *No.* 415 *A, dated* 14*th February* 1874.

The rule has been sanctioned by the Government of India in respect of "all estates into which canal-irrigation has been introduced for the first time since the last settlement or shall hereafter be introduced." But its application to muafi lands has not yet been sanctioned.

SECTION VIII.

ADMINISTRATION.

Progress on works.

87. During the year good progress was made on the works of the Lower Ganges Canal, full details of which will be found in the Progress Report.

Appointment of special officers.

88. Shortly after the close of the year two special appointments in connection with the Lower Ganges Canal were sanctioned.

Special Works Division.

89. The Executive Engineer, Cawnpore Special Works Division, is charged with the duty of providing (under the instruction of the Superintending Engineer, 4th Circle) for several important issues dependent on the construction of the Lower Ganges Canal, and its connection with the Ganges Canal.

At present a larger volume of water than is requisite is thrown into the Cawnpore Branch, in order to maintain a sufficient depth of water for the requirements of navigation, and in consequence a large volume of water is of necessity wastefully returned to the Ganges. It is now intended to deflect the carrying branch of the canal at a few miles distance from the city, with which communication will be maintained by a still-water canal. The waste of water will by this means be limited to that requisite to create the gentle current which is desirable on sanitary grounds.

The execution of these works involves the lowering of the bed of the channel in Cawnpore, and the substitution of girders for arches in the bridges, in order to obtain sufficient headway for the passage up to the centre of trade of heavy-laden boats, which has up to the present time been impracticable.

A special establishment under the executive charge of Captain G. F. L. Marshall, R. E., has been sanctioned by the Government of India* for two year to carry out these improvements.

* G. G. O. 116E-J, dated 14th May.

Special division for laying out distributaries of Lower Ganges Canal.

90. The rapid progress made on the works of the Lower Ganges Canal allows no time to be lost in arranging for the distribution of its water. The execution of this important duty has been confided to Captain J. C. Ross, R. E., an officer who has made the study of the natural contours of the country his special business, and who can consequently be relied upon to work in accordance with physical laws which cannot be transgressed without certain, if tardy, retribution, although their action may only be perceived in the apparently level plains of the North-West by the eye of a practised thoughtful observer.

Completion of the Agra Canal.

91. The Agra Canal channel was completed during the year, and was opened on the 5th of March by the late Lieutenant-Governor, Sir William Muir, in the presence of a large number of officials of the various departments, and of the native landholders and inhabitants assembled by special invitation to do honour to the occasion. This is believed to be the first instance of a canal of magnitude being sanctioned and completed under the same Administration.

Establishment for the Agra Canal.

G. G. O., 216A-I, dated 10th July 1874.

92. Shortly after the close of the year, an irrigation establishment was sanctioned for the canal, whose duties were to begin on the 1st of September, and it was determined by the Government of India, on the representation of this Government, that the cost of maintenance should be charged to revenue, and cease to be charged to capital from the 31st October.

Rates for the Agra Canal.

93. The subject of the rates to be levied for this canal was long and carefully discussed, and complete agreement arrived at between the Board and the Settlement Officers on the one side, and the Chief Engineer on the other, before the question was laid before Government.

Settlement Officers of long experience in irrigated districts were found to be uniformly of opinion that the present rates for flush irrigation on these canals are too low, and out of due proportion to those for lift; and all the deliberative authorities agreed that the rates should be considerably increased. The opening of the Agra Canal in an unirrigated country whose soil is peculiarly adapted for irrigation, at a time when a revision of the settlement is commencing, affords an opportunity of scientific assessment which up to this time has no precedent.

Moreover, the cost of the canal was so increased by the addition of charges which did not exist when the estimates were framed, that an addition to the expected income became a financial necessity.

The result deliberately arrived at by the Government of the North-Western Provinces was to maintain the Ganges Canal rates for lift-irrigation, and to make lift-rates the double of flow-rates, instead of one-half larger, as on the Ganges and other canals. The increase of water-rate practically amounts to about 25 per cent.

The adoption of the highest rates proposed are postponed on the ground that they might be beyond the present capacity of a people unaccustomed to irrigation. Half rates are to be charged for every water-course constructed at private cost during the first two seasons of its working. A modified tariff for navigation was at the same time adopted, which simplifies classification, and promotes employment of narrow boats.

These proposals have received the sanction of the Government of India. The correspondence, which is of great interest, will be found at p. xcvii of appendix.

Rules under Act VIII.

94. The publication of the rules laid down under Act VIII of 1873 was for some time delayed, pending the settlement of discrepancies between the rules proposed by this Government and those proposed by the Punjab Government. These discrepancies having been reduced to those caused by local differences, the rules were submitted to the Government of India for approval, but these have again been returned for further consideration.

Classification of expenditure.

95. Orders of the Government of India issued approving, as a tentative measure, of the modifications in classifying expenditure for purposes of account proposed by the Government of the North-Western Provinces.

New system of keeping accounts.

96. A new system of accounting for works costing under Rs. 10,000 by the normal outlay proposed optionally by the Government of India to the various local Governments and Administrations was declined by this Government. At the same time the monthly progress report was abolished in this branch. A system has been adopted of submitting a duplicate of every register of works monthly to the scrutiny of Superintending Engineers, by whom a certificate is submitted to Government that the works are being carried on in accordance with the budget allotments and the estimated rates of work.

Condition of the stock returns.

97. It has been found necessary to call attention to the strict orders of the code on the subject of stock-taking at fixed periods, and on the occasion of transfers. The provisions of Circular H will no doubt lead to greater punctuality and system.

Limit of jurisdiction.

98. By Circular I the limit of jurisdiction of canal officers was defined in accordance with the orders of the Government of India. But discretion was afforded to Superintending Engineers to sanction journeys within the province for purchase of materials, or for inspection of the larger works which are now in progress.

Date of submission of statements from which this report is compiled.

99. The following statement shows that the majority of the reports were submitted with fair punctuality this year:—

From.	Date received.
1st Circle	5th September 1874.
2nd „	25th July „
3rd „	9th September „
Superintendent of Works	10th August „
Controller	14th „ „
Board	21st November „

Cause of delay in submission of this report.

100. The present volume would have been submitted to the Government of India by the appointed date, had the statements of the Board of Revenue been received in proper time.

The numerous tables for the Chief Engineer's report which relate to income cannot be prepared until the amount of credit of indirect revenue is ascertained.

Statement of value of crops irrigated.

101. In the review of the Revenue Report for 1872-73 by the Government of India, No. 26781I, dated 12th May 1874, it was remarked that the statement of value of crops irrigated during the year called for in the Resolution on the previous year's Revenue Report had not been submitted.

The returns were promised by the Board of Revenue for the current year, but they have not been obtained in time.

There seems to be no reason why the return should not be submitted annually.

Delay in preparation of appendix statements.

102. Great delay has occurred in printing, which will be obviated in future years, by the coming removal of the press into convenient premises.

103. The successful results of the year confirm the opinion of the Superintending Engineers that the labours of all have been successful. The following appear to the Chief Engineer to be most prominently mentioned:—

EXECUTIVE ENGINEERS.

Captain F. V. Corbett, R. E.
Captain F. J. Home, R. E.
Captain J. L. Macpherson, R. E.
Mr. O. Phillpott.

1.—ASSISTANT ENGINEERS.

Mr. C. G. Palmer.
Mr. J. L. Tickell.
Mr. J. Thornhill.
Lieutenant J. Clibborn.
Mr. W. Willcocks.
Mr. R. W. Hawkins.

2.—UPPER SUBORDINATES.

Conductor G. McArthur, Sub-Engineer.
Sub-Engineer Elahi Bakhsh, Supervisor.
Sergeant J. Williams, Supervisor.
Sergeant J. Laing, Supervisor.
Sergeant R. Read.

I.

3.—DEPUTY MAGISTRATES.

Chirinji Lal. | Girdhari Lal.

4.—ZILADARS.

Bhikum Sen. | Narinji Lal.
Sewa Ram.

Remarks on Direction.

104. The direction has sustained a loss in the past year from the transfer of Captain P. S. Marindin, R. E., Executive Engineer, and Captain G. F. L. Marshall, R. E., Personal Assistant, to important divisions on the canals. They have been replaced by Mr. G. H. D. Walker, B.A., and Mr. P. Nelson, Executive Engineer.

Collection of gauge readings and discharges.

105. In accordance with the orders of the Government of India, a collection has been made of the records of gauges of the various rivers in the North-Western Provinces, ranging from the year 1868 to the present time, and, where they are available, discharges have also been given. The care with which the latter records have been regularly maintained on the rivers in the second circle of superintendence does great credit to Mr. C. C. Anderson, the Superintending Engineer; though greater attention has been paid to the subject on other rivers since the publication of Circular K, there is a dearth of discharges to record in other circles.

106. Simultaneously with the present Revenue Report will be published the diagrams and discharges of rivers for 1873-74, with a map showing the sites at which the gauges are fixed, and also diagrams of the canals.

107. A separate Gauge Atlas is about to be published, which was promised in last year's report, containing all available diagrams and discharges of rivers and canals from the earliest dates up to the end of 1873. The discharges for subsequent years in succession should be stitched or otherwise attached to the volume, which will constitute a record of the highest professional value.

W. H. GREATHED, COLONEL, R.E.,
Chief Engineer of Irrigation,
N.-W. Provinces.

DATED ALLAHABAD,
The 3rd December 1874.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Irrigation.

REVENUE REPORT OF IRRIGATION WORKS IN BENGAL FOR THE YEAR 1873-74.

Nos. 335—49 I., Dated Simla, the 27th September 1875.

READ—

Letter from the Government of Bengal, in the Public Works Department, Irrigation Branch, No. 112 I—A. dated the 13th February 1875, forwarding a copy of the Revenue Report of Irrigation Works in Bengal for the year 1873-74, and of the Resolution of that Government reviewing the same.

OBSERVATIONS.—This Report has been received three months after the time fixed for its submission; but it is understood that the delay has been occasioned by the Chief Engineer's absence in Orissa on duty.

2. The operations of the year having been reviewed in detail by the Local Government, only the general results and a few points requiring attention will be noticed here.

3. From the abstracts (annexed) of the general financial results of the canals in the province, none of which are as yet complete, it is observed—

	£	£
I.—That the capital outlay on all the Irrigation Works under the Government of Bengal to end of 1873-74, including the Damoodah Project, which has been suspended, has amounted to	...	3,151,898
II.—Of this sum, the amount expended on the Soane scheme, which had not been brought into operation till after the close of the year under review, has been	986,583	
And on the Damoodah scheme which has been suspended ...	15,832	
		1,002,415
III.—Leaving as the expenditure on the Orissa Project		2,149,483
IV.—The gross direct receipts from this project during 1873-74 have amounted to		14,768
V.—And the working expenses to		29,096
VI.—Leaving a deficit in the operations of the year of		14,328

equivalent to a loss of 0·7 per cent. in the operations of the year, exclusive of £91,753 for simple interest on the capital outlay. If the net returns are based on the assessments of the

year, the receipts will amount to £19,484, the expenses to £29,096, and the net deficit to £9,612. This, though unsatisfactory, is still a considerable improvement on the results of the previous year, when the loss was as high as £25,073. The anticipations of improvement in the returns from irrigation, expressed in the review of the previous year's operations, have been more than justified by the results of 1873-74. The Report shows that there are some grounds for expecting that the development of irrigation will be greater than has lately been considered possible.

4. Fourteen miles of new canal and 37 miles of distributaries have been opened during the year under review. The irrigated area has risen from 18,159 acres to 48,920 acres, and the earnings (assessments) have increased from Rs. 470 per mile of canal and Rs. 110 per mile of distributary to Rs. 994 and Rs. 239, respectively. There has also been marked improvement in the navigation receipts, the collections having been Rs. 80,659 against Rs. 45,492 in the year previous.

5. The most marked improvement occurred in the Midnapore series, where the demand for water in the month of October much exceeded the available supply. This deficiency at a critical period occurring so early in the history of the canal, points to the advisability of supplementing the available volume by storage reservoirs if they can be constructed at a reasonable cost, and this point might be enquired into at the first favourable opportunity.

6. The irrigation in Orissa shows about the same ratio of increase as that in Midnapore, though the aggregate result is still insignificant compared with the capacity of the canals. The income from navigation is nearly double that of the previous year; and although this large increase is in part attributable to the demand for grain required for the famine-stricken districts in upper Bengal, there appears to be little doubt that, as the navigable communications with the trading marts in Orissa and arrangements for loading and unloading vessels at the sea-board are perfected, this item of revenue will be largely increased.

7. The income from the Tidal Canal, which is solely a navigable line, was double that of the previous year, owing partly, as in Orissa, to the exceptional demand for grain for other districts in Bengal, but also to the completion of the terminal locks by which the communication with tide water is now practicable at all times.

8. In outlay on repairs there has been in the Orissa series a decrease. On the Midnapore and Tidal Canals there has been a considerable increase, due in both instances to exceptional circumstances which are detailed in the reports.

9. The reports of the revenue officers show that the system of management in revenue matters on both the Orissa and Midnapore series is improving and becoming more efficient, though there are still some grave difficulties to be overcome. Surreptitious irrigation is reported to be still rife, in spite of every effort on the part of the officers to prevent it. This and other matters alluded to in the reports will doubtless be considered by the Local Government, by whom a Bill to regulate Canal administration has lately been introduced into the Bengal Legislative Council.

10. The calculations of the value of the crops saved in Behar by the Soane Canal irrigation given in the report, appear to be a moderate estimate of the benefit of these works to the country in years of drought. The Soane Canal, though incomplete, was yet sufficiently advanced to admit of a large supply of water being conveyed to lands on which the crops must have otherwise perished. The area thus irrigated is estimated at 159,470 acres, and the value of the crops as £477,500. This is a prominent instance of the indirect benefits which such works confer on the State. Similarly, the value of the crops saved on the Midnapore Canal is estimated at £52,960.

11. In conclusion, it may be observed that this report is satisfactory in the sense that what was before discouraging is now not only much less so, but is even hopeful as to the future.

ORDER.—Ordered that copies of this Resolution and of the Report be forwarded to the Secretary of State, and the Financial and Revenue, Agriculture and Commerce Departments, for information, and that the attention of the latter Department be drawn to paras. 29—32 of Mr. Wylly's report on model farms.

Ordered also, that copies of this Resolution be forwarded to the Government of Bengal and the several* other Local Governments and Administrations in the Public Works Department, Irrigation Branch, for information.

* The Governments of Madras, Bombay, the North-Western Provinces, and the Punjab.
The Chief Commissioners of Oudh, the Central Provinces, British Burmah, Mysore and Coorg.
The Resident at Hyderabad.
The Agents of the Governor General for Central India and Rajpootana.

Ordered further, that this Resolution, the Resolution of the Local Government, and the Chief Engineer's Report, be forwarded to the Home Department for publication in the Supplement to the *Gazette of India*.

C. H. DICKENS, *Colonel, R. A.,*
Secy. to the Govt. of India.

STATEMENT OF FINANCIAL RESULTS OF IRRIGATION WORKS IN BENGAL BASED ON THE ACTUAL CASH RECEIPTS FOR AND UP TO THE END OF THE YEAR 1873-74.

	WORKS UNDER CONSTRUCTION.					WORK SUSPENDED.	GRAND TOTAL.
	Orissa Project.	MIDNAPORE PROJECT. Midnapore Series.	MIDNAPORE PROJECT. Tidal Canal.	Soane Scheme.	TOTAL.	Damoodah Project.	
CAPITAL ACCOUNT. (WITHOUT INTEREST.)	£	£	£	£	£	£	£
FOR THE YEAR — Ordinary ...	10,642	—577	332	...	10,397	—2,653	7,744
FOR THE YEAR — Extraordinary ...	156,829	48,207	14,373	293,200	512,609	...	512,609
FOR THE YEAR — Contributions ...	...	...	...	...	...	...	...
FOR THE YEAR — Capitalization of land revenue ...	2,288	...	...	...	2,288	...	2,288
TOTAL ...	169,759	47,630	14,705	293,200	525,294	—2,653	522,641
TO END OF YEAR — Ordinary ...	32,487	27,440	9,256	8,864	78,047	15,832	93,879
TO END OF YEAR — Extraordinary ...	1,356,561	552,353	169,098	977,719	3,055,731	...	3,055,731
TO END OF YEAR — Contributions ...	...	...	...	...	...	...	...
TO END OF YEAR — Capitalization of land revenue ...	2,288	...	...	...	2,288	...	2,288
TOTAL ...	1,391,336	579,793	178,354	986,583	3,136,066	15,832	3,151,898
REVENUE ACCOUNT. GROSS REVENUE. FOR THE YEAR — Direct ...	4,383	7,264	3,121	...	14,768	...	14,768
FOR THE YEAR — Indirect ...	...	...	...	...	...	...	...
TOTAL ...	4,383	7,264	3,121	...	14,768	...	14,768
TO END OF YEAR — Direct ...	18,867	22,287	7,811	...	48,965	...	48,965
TO END OF YEAR — Indirect ...	...	...	...	...	...	...	...
TOTAL ...	18,867	22,287	7,811	...	48,965	...	48,965
WORKING EXPENSES.							
During year	12,919	12,056	4,121	...	29,096	...	29,096
To end of year	70,767	33,985	9,625	...	114,367	...	114,367
NET REVENUE.							
FOR THE YEAR — Direct ...	—8,536	—4,792	—1,000	...	—14,328	...	—14,328
FOR THE YEAR — Indirect ...	...	...	...	...	...	...	...
TOTAL ...	—8,536	—4,792	—1,000	...	—14,328	...	—14,328
TO END OF YEAR — Direct ...	—51,890	—11,697	—1,815	...	—65,402	...	—65,402
TO END OF YEAR — Indirect ...	...	...	...	...	...	...	...
TOTAL ...	—51,890	—11,697	—1,815	...	—65,402	...	—65,402
SIMPLE INTEREST. ACCOUNT, INCLUDING INTEREST WHILE WORK WAS UNDER CONSTRUCTION.							
For the year	58,906	25,051	7,796	37,438	129,191	811	130,002
To end of year	226,797	97,516	28,375	89,498	442,186	3,991	446,177
DIFFERENCE BETWEEN NET REVENUE AND CHARGE FOR INTEREST. FOR THE YEAR — Direct ...	—67,442	—29,843	—8,796	—37,438	—143,519	—811	—144,330
FOR THE YEAR — Indirect ...	...	...	...	...	...	...	...
TOTAL ...	—67,442	—29,843	—8,796	—37,438	—143,519	—811	—144,330
TO END OF YEAR — Direct ...	—278,687	—106,213	—30,190	—89,498	—507,588	—3,991	—511,579
TO END OF YEAR — Indirect ...	...	...	...	...	...	...	...
TOTAL ...	—278,687	—106,213	—30,190	—89,498	—507,588	—3,991	—511,579

GENERAL ABSTRACT OF FINANCIAL RESULTS OF IRRIGATION WORKS UNDER THE GOVERNMENT OF BENGAL—ASSESSMENTS.

	Capital Account.		Revenue Account, 1873-74.					Charges for interest, 1873-74.	Percentage of net Revenue on Capital, 1873-74.		
	Outlay during 1873-74.	Total to end of 1873-74.	Direct Revenue assessed.	Working expenses.	Net direct Revenue.	Add indirect.	Total net direct and indirect.		Direct.	Indirect.	Total.
	£	£	£	£	£	£	£	£			
Works under construction.											
Orissa Project	169,759	1,391,336	4,457	12,919	—8,462	...	—8,462	58,906	—·60	...	—·60
Midnapoor Series	47,630	579,793	11,906	12,056	—150	...	—150	25,051	—·02	...	—·02
Tidal Canal	14,705	178,354	3,121	4,121	—1,000	...	—1,000	7,796	—·56	...	—·56
	232,094	2,149,483									
Soane Scheme	293,200	986,583	...	...	...	...	...	37,438	...	...	...
Total ...	525,294	3,136,066	19,484	29,096	—9,612	...	—9,612	129,191	—·30	...	—·30
Damoodah Project (suspended)	—2,653	15,832	...	...	...	...	...	811	...	...	...
	522,641	3,151,898	19,484	29,096	—9,612	...	—9,612	130,002	...	...	...

No. 1101.—A.

Extract from the Proceedings of the Hon'ble the Lieutenant-Governor of Bengal in the Public Works Department, Irrigation Branch, under date the 13th February 1875.

RESOLUTION—By the Government of India, PUBLIC WORKS DEPT.

READ—

Chief Engineer's Report of Irrigation Revenue for the year 1873-74, and annexures.

RESOLUTION.—The capital invested in canals in this province amounts at the end of the year under review to Rs. 3,15,18,966; of this amount, Rs. 52,26,403 had been expended during the year.

The portion of the capital due to works not yet producing revenue (*i. e.*, the Soane and Damoodur Projects) was Rs. 1,00,24,135.

2. The assessments of the year amounted to Rs. 1,94,841, whilst the charges for maintenance and establishment were Rs. 2,90,956, showing a loss of Rs. 96,115 on the transactions of the year.

The actual collections, however, only amounted to Rs. 1,47,688, showing a deficit of Rs. 1,43,268. If to this latter sum be added the charges for maintenance unpaid in previous years, *viz.* Rs. 5,10,726, we obtain as the total deficit on account of current expenses to the end of the year Rs. 6,53,994.

3. The difference between the assessments and collections is heavy, and occurred principally in Midnapore.

It is said to be due to the strain thrown on the establishment by the sudden demand for irrigation in October and November.

4. The interest due for the year on canals returning revenue amounts to Rs. 9,17,537; on canals not yet opened to Rs. 3,82,489; and the total charge for interest up to the end of the year to Rs. 44,61,764.

5. The total deficit chargeable therefore against the department up to the end of the year 1873-74 amounts to Rs. 51,15,758.

6. The lengths of canals open at the commencement and close of the year were as follows:—

NAME OF CHANNEL.	Open at the end of 1872-73.	Open at the end of 1873-74.	Added during 1873-74.
	39·6	39·6	0
Kendraparah Canal	244·8	252	7·2
Ditto Distributaries	59·5	59·5	0
Ditto Village Channels	33·1	37·1	4
High Level Canal	88	90	2
Ditto Distributaries	27·3	27·3	0
Taldundah Canal	64·5	64·5	0
Ditto Distributaries	15	15	0
Matchgong Canal	66·8	74	7·2
Ditto Distributaries	38	48	10
Midnapore Canal	177	197·5	20·5
Ditto Distributaries	77·5	77·5	0
Ditto Village Channels	29	29	0
Tidal Canals			

7. The area irrigated during the year was 48,920 acres, of which 12,571 were in Orissa and 36,349 in Midnapore. These areas compare favorably with those of the previous year, which were 4,753 and 13,406 acres respectively.

8. The collections on account of tolls on traffic amounted to Rs. 80,659, against Rs. 45,492 the previous year. They were in Orissa Rs. 18,577, in Midnapore Rs. 34,104, and on the Tidal Canals Rs. 27,978, and show a large increase over those of 1872-73, which were Rs. 10,044, Rs. 20,994, and Rs. 14,454, respectively. The increase is due in some measure to the traffic in grain consequent on the scarcity in Behar; but as the Midnapore and Tidal Canals were only open for through traffic in October and September respectively, there are fair grounds for expecting that the traffic on these last canals will be large.

9. The works not yet completed are the Soane and Damoodur Canals; the latter has been, as stated last year, postponed indefinitely. It was hoped that the Soane Canals might have been so far completed as to allow of regular irrigation being carried on during the rainy season of 1874-75, but the temporary opening during the drought in Behar interfered so much with the progress of the works that it was not found practicable to complete them as soon as was expected. They will probably be ready by the end of the working season of 1874-75.

10. In September 1873 orders were issued to turn water into these canals and distribute it by any means. Irrigation was accordingly supplied to an estimated area of 159,470 acres, much of which received two and even three waterings.

11. The value of the crops saved by the irrigation from the Soane was about Rs. 48,00,000, and in Midnapore about Rs. 5,29,000; these would almost to a certainty have perished without the water, so that this amount may be fairly considered an indirect return from the works greater in amount than the whole accumulated deficit.

12. The reports of the Commissioner and Officiating Revenue Superintendent in Orissa and of the Collector and Deputy Revenue Superintendent in Midnapore give details of all that has been done during the year.

13. The Commissioner of Orissa considers that matters are going on very quickly and satisfactorily, and that although progress is but slow it is still steady, and there is reason to be hopeful for the future. The Collector of Midnapore considers the year as the most critical and most successful that has been experienced; the only limit to the amount watered being the quantity of water available, which was unfortunately much reduced by the failure of the rains.

14. On the whole, then, it may be considered that the prospects of canal irrigation and traffic being extended are very much better than when the last report was written, and that there will be some return for the capital invested.

15. The Lieutenant-Governor has much pleasure in acknowledging the services rendered during the year by the Officers of the Irrigation Department.

To Mr. Levinge, the Superintending Engineer of the Soane Canal, and to Major McNeile, Captain Heywood, Mr. Stoney and Mr. Hope, the Executive Engineers under him, especial credit is due, not only for the rapid and excellent work which they have done in carrying on the canal construction, but for their great and untiring exertions in distributing the water to the furthest point which it could be made to reach. In Midnapore, Mr. Harrison, the Collector, Mr. Kimber and Mr. Apjohn, Executive Engineers, and Baboo J. N. Mookerjee, the Deputy Superintendent, deserve great credit for their successful exertions in extending the irrigation. In Orissa, Mr. Walker, the Superintending Engineer, has worked with his usual ability and energy, and Mr. Wylly, the Officiating Revenue Superintendent, has done good work.

16. Although not employed on works returning revenue, the exertions of Mr. Martin, the Superintending Engineer, and Messrs. Vertannes and DeGroussilliers and Cotton, in completing the embankments of the River Gunduk, and of Mr. Whitfield in forcing water into the old bed of the Kana Nuddee in the Hooghly districts, deserve acknowledgment.

17. The best thanks of the Lieutenant-Governor are due to Colonel Gulliver, for his efficient superintendence of the operations of the Department during the year under review.

By order of the Lieutenant-Governor of Bengal,

H. W. GULLIVER, COLONEL, R. E.,
Offg. Joint Secy. to the Govt. of Bengal in the P. W. Dept., Irrign. Branch.

BENGAL PUBLIC WORKS DEPARTMENT.

Irrigation Branch.

Note on the Canal Revenue Reports for the year 1873-74, *by* COLONEL H. W. GULLIVER, R. E.
Officiating Chief Engineer.

ORISSA SERIES.

1. The capital invested in these canals on the 1st April 1874 amounted to Rs. 1,39,13,364, exclusive of interest. The following is the detail of the amount added during the year:—

	Rs.
Works and Tools and Plant	13,82,604
Establishment	2,97,706
Capitalization of the rent of land taken up for works	22,877
	17,03,187
D. D. receipts on Capital Accounts	5,596
Net addition to Capital	16,97,591

2. The principal items of expenditure were as follows:—

	Rs.
On Head Works	18,147
„ Taldundah Canal	74,890
„ Matchgoong „	84,718
„ Kendraparah „	98,814
„ Patamoondi „	2,55,462
„ High Level „ Section I	47,442
„ „ „ „ „ II	3,50,420
„ „ „ „ „ III	2,79,114
Field Survey	9,495
	12,18,502

so that the greater portion of the money was spent on the Patamoondi Canal and the Sections II and III of the High Level Canal.

3. The interest and charges unpaid amounted on the same date to Rs. 27,86,850, of which Rs. 5,18,887 was the excess of charges for maintenance over receipts, and Rs. 22,67,963 the amount of interest. The portion of this for the year now reported on was—

	Rs.
Balance of Charges	85,356
Interest	5,89,066
TOTAL ...	6,74,422

4. In the statement of charges given above, and in the Revenue Account prepared by the Controller appended to this report, the account is only credited with actual collections. This has been done under directions from the Accountant-General, so that these statements may agree with the Imperial Accounts; but, in order that the results of the working of the canals during the year may be considered in connection with the conditions of the year, it is necessary to show what the earnings have been: and the Revenue Account below is prepared for this purpose.

RECEIPTS.	Rs.	Rs.
Water-rates	18,145	
Navigation Tolls	18,577	36,722
Miscellaneous.		
Plantations	161	
Rents of lands and fisheries ...	1,316	
Sales of produce	17	
„ of materials	100	
Fines	2,545	
Rent of buildings	3,101	
Sales of grass	242	
Sundries	364	7,846
		44,568
Balance deficit		84,623
TOTAL ...		1,29,191

EXPENDITURE.	Rs.	Rs.
Maintenance and Repairs.		
Main Canal	52,593	
Distributaries	16,044	
Drainage	104	
Navigation	3,704	
Buildings	4,574	
	77,019	
D. D. correction from last year	4,587	72,432
Plantations		2,073
Establishment.		
General	9,568	
Revenue	38,607	
Navigation	5,828	54,003
Tools and Plant		683
TOTAL ...		1,29,191

5. Hence the deficit, due to the working of the year, is Rs. 84,623, or 0·693 per cent. on Rs. 1,22,15,773, which formed the capital of the canal at the commencement of the year.

6. The above deficit, Rs. 84,623, would seem to show a great improvement over the results of the previous year, when the deficiency was Rs. 2,15,271; but I regret to say that this is mostly fallacious, as the great reduction in the cost of maintenance is due to a re-adjustment of the accounts carried out during the year.

The total expenditure on repairs was Rs. 1,46,813, of which Rs. 74,381 were written back; otherwise the deficit would have been Rs. 1,59,004, which is still Rs. 56,267 less than in 1872-73.

7. The following table gives a comparison between the charges for maintenance in this and the preceding year:—

MAINTENANCE AND REPAIRS.	1872-73.	1873-74.	Difference, 1873-74.
	Rs.	Rs.	Rs.
Main Canals	1,25,603	52,593	—73,010
Distributaries	5,788	16,044	+10,256
Drainage Works	4,587	104	—4,483
Navigation	4,476	3,704	—772
Buildings	2,083	4,574	+2,491
Miscellaneous	21,347	...	—21,347
Plantations	57	2,073	+2,116
Establishment.			
General	26,552	9,568	—16,984
Revenue	41,382	38,607	—2,775
Navigation	6,154	5,828	—326

But this does not give a fair comparison, as has been explained in the preceding paragraph.

8. The following tables give the comparison between the actual cost of the repairs in the two years without allowing for the adjustment of accounts :—

CANAL REPAIRS.

	1872-73.		1873-74.			
	Length open.	Repairs.	Length open.	Repairs.	+	—
		Rs.		Rs.	Rs.	Rs.
Head Works—Total ...	...	79,555	...	1,13,207	33,652	...
		Per mile.		Per mile.		
Kendraparah Canal ...	39·6	1,288	39·6	153	...	1,135
High Level „ ...	33·1	454	37·1	287	...	167
Taldundah „ ...	27·3	446·4	27·3	17	...	429·4
Matchgong „ ...	15·0	20·5	15	...	...	20·5
TOTAL EXPENDITURE ON REPAIRS	...	1,58,096	...	1,30,480	...	27,616

DISTRIBUTARY REPAIRS.

	1872-73.		1873-74.			
	Length open.	Repairs per mile.	Length open.	Repairs per mile.	+	—
		Rs.		Rs.	Rs.	Rs.
Kendraparah Canal ...	244·8	20	252	35·8	15·8	
Village Channels ...	59·5	Not included	59·5	Not included	...	
High Level Canal ...	88	...	90	47·6	47·6	
Taldundah „ ...	64·5	2·3	64·5	47·2	44·9	
Matchgong „ ...	66·5	12	74	0·74	...	11·26
TOTAL ...	523·3	5,788	540	16,333	10,545	...

9. The cost of general establishments is divided according to the percentage on expenditure, hence the decrease is only nominal as the adjusted accounts formed the basis of the charge.

10. The following shows a comparison between the revenue of the two years. It is useless entering the amounts in former years as the returns of irrigation before 1872-73 are unreliable, as explained in the report of that year :—

ITEMS OF REVENUE.	1872-73.	1873-74.	Increase, 1873-74.
	Rs.	Rs.	Rs.
Water-rates	5,401	18,145	12,744
Navigation	10,044	18,577	8,533
Miscellaneous	7,508	7,846	338
TOTAL ...	22,953	44,568	21,615

11. The increase in water-rates is due to the larger area irrigated, which was 12,571 acres instead of 4,753, and it was distributed between the canals and crops as shewn in the following table :—

NAME OF CANAL.	Season.	Area, 1872-73.	Area, 1873-74.	Increase, 1873-74.
		Acres.	Acres.	Acres.
Kendraparah Canal ...	Khureef ...	3,474	4,807	1,333
	Rubbee ...	844	2,921	2,077
	Perennial ...	...	97	97
High Level Canal, Section I.	Khureef ...	237	2,977	2,740
	Rubbee ...	...	36	36
Taldundah and Matchgong ...	Khureef ...	88	1,320	1,232
	Rubbee ...	97	334	237
	Perennial ...	13	79	66
TOTAL ...	...	4,753	12,571	7,818

12. The proportions between flow and lift irrigation were as follows:—

	1872-73.			1873-74.		
	Flow.	Lift.	Total.	Flow.	Lift.	Total.
Khureef	3,747	52	3,799	8,859	245	9,104
Rubbee	780	161	941	2,555	736	3,291
Perennial	12	1	13	100	76	176
TOTAL ...	4,539	214	4,753	11,514	1,057	12,571

It will be seen that the larger proportion of lift irrigation is for the rubbee and perennial crops, when the quantity of water in the rivers is small.

13. The following table shows the area irrigated per cubic foot per second of discharge on the several canals: the portion irrigated throughout the year is included under the head Rubbee:—

	Discharge.	Area irrigated.	AREA PER CUBIC FOOT.	
			1873-74.	1872-73.
Kendraparah Canal—	c. ft. per sec.	Acres.	Acres.	Acres.
Khureef	273	4,807	17·6	8·5
Rubbee	233	3,018	12·9	4·3
High Level Cânal—				
Khureef	184	2,977	16·1	1·05
Rubbee	141	36	0·25	0·41
Taldundah and Matchgong—				
Khureef	156	1,320	8·5	...
Rubbee	88	413	4·7	...

It will be seen that there is an increase on each canal in both seasons except in the rubbee on the High Level Canal.

14. The water-rates charged are shewn in the table annexed to the report. The details of the area irrigated are as follows:—

	Acres.
Rice { leased for before the 1st May	4,504
Rice { leased after the 1st May	3,887
Surreptitious irrigation	732
Dry-weather crops	3,276
Perennial	172
	12,571

15. The nature of the crops grown are shewn in a table attached to the Deputy Revenue Superintendent's Report. The principal are autumn and winter rice crops 9,104, cold-weather rice 1,102, and cotton 2,154 acres.

16. The following table shows the difference in the rainfall in the last three years compared with the average of the last 18 years:—

1873-74 ...	40·31	inches.
1872-73 ...	73·04	„
1871-72 ...	50·03	„
Average ...	54·69	„

Looking merely at the totals, it would appear that a much larger area should have been irrigated in this year; but the rain was distributed over the critical months for the crop in such a way as to be most favorable for the cultivation, so that, although there were signs at one time of a large demand for water, rain fell in time to prevent the irrigation being carried out.

Rainfall in June	2·72	inches.
„ July	11·04	„
„ August	11·06	„
„ September	5·56	„
„ October	2·17	„

17. The increase in navigation returns, Rs. 8,533, is in some measure due to the traffic in grain consequent on the scarcity in Behar; but the canals were also in better order than in the previous year. The increase is mainly in the Kendraparah Canal, as will be seen below:—

	1872-73.	1873-74.	Difference.
	Rs.	Rs.	Rs.
High Level Canal	1,551	1,497	—54
Kendraparah „	8,023	16,087	8,064
Taldundah „	468	987	519
Matchgong „	2	6	4
TOTAL ...	10,044	18,577	8,533

18. The following table gives the comparison between the toll collections, &c., of the various canals for the two last years:—

Name of Canal.	Number of miles of Canal open for traffic at the end of the year.		Toll Collections.		Rate of Tolls per mile of Canal.		Number of Boats.		Tonnage.		Value of Traffic.	
	1872-73.	1873-74	1872-73.	1873-74.	1872-73.	1873-74.	1872-73.	1873-74.	1872-73.	1873-74.	1872-73. Rs.	1873-74. Rs.
High Level Canal, Section I.	37	37	1,551	1,497	43	40	272	1,067	3,190	6,375	31,415	1,03,040
Kendraparah ...	40	40	8,023	16,087	206	412	3,947	6,166	26,313	50,377	47,11,968	42,55,189
Taldandah ...	27	27	468	987	17	36	382	884	2,462	9,108	21,270	30,644
Matchgong ...	6	6	2	6	...	...	...	...	...	...	...	...
Total ...	110	110	10,044	18,577	265	488	5,101	8,117	31,965	65,860	47,83,653	43,89,273

It will be seen that although the average tonnage has increased from about 6 to 8 tons per boat, the value of the traffic has decreased; but this value is only ascertained by the toll collectors roughly, and is by no means reliable.

19. The following table gives the principal articles carried in the two years :—

	1872-73.	1873-74.	1873-74.	
			+	—
	Tons.	Tons.		
Articles of food	19,667	30,086	10,419	
Stimulants	18	19	1	
Clothing	278	257	...	21
Staples of manufacture	251	1,158	907	
Building materials	1,388	13,380*	11,992	
Live-stock	...	45	45	
Fuel	345	2,562	2,217	
Cooking utensils...	46	...	...	46
Miscellaneous	3,059	2,258	...	801
		Number.		
Empty boats	Not known.	3,199		
Passenger boats	Ditto.	327		

20. The total demand for the year, including arrears of previous years, amounted to Rs. 23,389, of which Rs. 19,889 were collected, Rs. 1,118 remitted, leaving a balance of Rs. 2,382 due at the end of the year, of which only Rs. 17 is for assessment of 1872-73. All previous accounts have now been disposed of. The amount received was Rs. 19,905, a voluntary payment of Rs. 16 having been made in advance on account of perennial crops for 1874-75.

21. The Officiating Revenue Superintendent has remarked on the following points :—

The decrease in the number of men appointed by the cultivators to collect and pay in the rates.—This has been nearly 50 per cent., and is attributed to the collectors having insisted on having something paid them by the cultivators for their trouble. This is extremely probable, and has led to the ryots preferring to pay their water-rates direct to the canal officials.

With regard to surreptitious irrigation, he remarks on the difficulty of proving it, or catching the people in the act. The owners have been made to pay the double assessment in some cases where the field banks were cut, and water was found flowing on to the land, when it was necessary for the preservation of the crop. The Collector considers that such evidence would not suffice if he had to try the case judicially.

Mr. Toynbee, the late, and Mr. Wylly, the Officiating, Revenue Superintendent, consider that if leases are taken for larger and more compact areas, the theft of water will be reduced to a minimum, and the attempt has been made to carry this out in the current year. Up to the date on which the report was written, the average area of leases had been 22 acres against 5 and 9 in 1872-73 and 1873-74, respectively. It remains to ascertain what the result may be.

22. Some experiments on cultivation carried on under the orders of the Canal Officials have resulted in an average outturn of about 20 maunds of paddy per acre. The report does not show the Autumn and Winter crops or the Carolina rice separately, so it is not of much use.

The amount expended was Rs. 333-5-10, and the total outturn 1,006¼ maunds, or rather more than 3 maunds for the rupee.

23. The Commissioner considers that matters are going on very quietly and very satisfactorily, and deprecates any change in the rules until the end of the term for which they were provisionally formed.

MIDNAPORE CANALS.

24. These canals consist of two different series,—the Midnapore Canal running from the Cossye River at Midnapore to Oolaberiah on the Hooghly and the Tidal Canals near the sea coast between the Roopnarayan and the Russoolpore Rivers. The accounts of these two series of canals have hitherto been amalgamated, but are now separated by order of His Honor the Lieutenant-Governor.

MIDNAPORE CANAL.

25. The capital invested in this canal up to the 1st April 1874, exclusive of interest, amounted to Rs. 57,97,932. The sum added during the year was Rs. 4,76,298, of which the following is the detail :—

	Rs.
Canal Works	2,25,380
Distributaries	1,31,627
Tools and Plant	5,106
Establishment	90,388
Increase of Suspense Balances	25,691
TOTAL ...	4,78,192
D. D. Receipts on Capital Account	1,894
TOTAL ...	4,76,298

26. The interest and excess of charges over income were on the same date :—

	Rs.
Excess of charges	1,16,968
Interest	9,75,162
TOTAL ...	10,92,130

Of this, the amount for the year 1873-74 was—

	Rs.
Excess of charges	47,919
Interest	2,50,511
TOTAL ...	2,98,430

27. As in the Orissa Canals, the above statement is based on the collections for the year. Taking the assessments of the year as the data for the account, the following shows the transactions of the year :—

RECEIPTS.	Rs.	Rs.
Water-rates	82,243	
Navigation	34,104	
		1,16,347
Miscellaneous.		
Rents of Buildings	670	
Ditto Lands and Fisheries ...	1,608	
Sales of Produce	47	
Tools and Plant	125	
Fines and Refunds	161	
Miscellaneous	100	
		2,711
TOTAL ...		1,19,058
Balance deficit		1,499
TOTAL ...		1,20,557

EXPENDITURE.	Rs.	Rs.
Maintenance and Repairs.		
Main Canal	71,565	
Distributaries	10,114	
Navigation Works	1,190	
Buildings	2,533	
Miscellaneous	1,134	
		86,536
Works.		
Buildings	1,575	
Bridges	375	
		1,950
Establishment.		
General	15,474	
Revenue	10,701	
Navigation	5,896	
		32,071
TOTAL ...		1,20,557

So that the deficit is only 0·028 per cent. on Rs. 53,21,634, which was the amount of the capital at the beginning of the year.

28. The following table shows a comparison between the cost of maintenance in this and the preceding year :—

	1872-73.	1873-74.	Difference, 1873-74. +	Difference, 1873-74. —
Maintenance and Repairs—	Rs.	Rs.	Rs.	Rs.
Main Canal	47,481	71,565	24,084	...
Distributaries	11,310	10,114	...	1,196
Navigation Works	665	1,190	525	...
Buildings	2,565	2,533	...	32
Miscellaneous (Ferries)	823	1,134	311	...
			24,920	1,228
Total ...	62,844	86,536	23,692	
Works—				
Buildings	...	1,575	1,575	...
Bridges	...	375	375	...
Total ...	...	1,950	1,950	...
Establishment—				
General	9,705	15,474	5,769	...
Revenue	9,316	10,701	1,385	...
Navigation	5,133	5,896	763	...
Total ...	24,154	32,071	7,917	...
GRAND TOTAL ...	86,998	1,20,557	33,559	...

29. The great difference is in the cost of the repairs to the Main Canal Rs. 71,565, of which the following are the principal items :—

	1872-73.	1873-74.	1873-74. +	1873-74. —
	Rs.	Rs.	Rs.	Rs.
Head Works	4,710	28,195	23,485	...
Earthworks	15,714	36,697	20,983	...
Masonry Works	27,057	6,673	...	20,384
Total ...	47,481	71,565	44,468	20,384
			24,084	

The weir across the Cossye at Midnapore was much damaged by a flood in 1873-74, and the repairs to the banks were rendered heavy. The large items under masonry works in the previous year was due to the re-construction of the head sluice at Panchkoora.

The length of the canal open in 1872-73 was 38 and now is 48 miles, so that the repairs to the canal this year average Rs. 1,490 per mile against Rs. 1,250 in 1872-73. Both amounts are high, and it is hoped will be reduced in the current year.

The length of distributaries open in 1872-73 was 177½; in 1873-74, 197½ miles, so that the cost of repairs averaged 63·8 and 51·2 respectively. I am afraid this cannot be reduced at present, as the banks are very unsafe in some places still.

30. The works charged to Revenue are in connection with shelter for the revenue officials and three small pile bridges on the tow-path of the tidal range between the Hooghly and Damoodur rivers. The establishment charges increase in proportion to the expenditure.

31. The following is the comparison between the assessments of the two last years :—

	1872-73.	1873-74.	Difference. +	Difference. —
	Rs.	Rs.	Rs.	Rs.
Water-rates	21,876	82,243	60,367	...
Navigation	20,994	34,104	13,110	...
Miscellaneous	6,714	2,711	...	4,003
			73,477	4,003
Total ...	49,584	1,19,058	69,474	

32. The increase in water-rates is due to the larger area irrigated in the present season. The table given below shows the rainfall compared with that of the previous year, and also the area irrigated :—

Months.	Rainfall.			Area irrigated.		Difference.
	1872-73.	1873-74.		1872-73.	1873-74.	1873-74. +
	Inches.	Inches.		Acres.	Acres.	
May	4·04	8·68	Khureef	13,406	35,996	22,590
June	10·49	6·86				
July	9·06	15·15	Rubbee	...	352	352
August	14·44	6·59				
September	6·66	4·25	Perennial	...	1	1
October	12·49	0·0				
Total ...	57·18	41·53	Total ...	13,406	36,349	22,943

33. The small rainfall in September, and the absence of any rain in October, caused the great demand for water. The following is the detail of the irrigation :—

Area leased for at—	Acres.	Flow.	Lift.
Ordinary rates before 1st May was	12,208	12,197	11
Penalty rates after the above date	19,865	19,865	...
Surreptitious Irrigation	3,923	3,923	...
Total Khureef, all Winter rice ...	35,996	35,985	11
Rubbee—			
Rice (boro)	310	310	...
Onion	2	...	2
Vegetables	26	6	20
Oil-seed (teel)	14	14	...
Sugarcane throughout the year	1	1	...
Total Rubbee ...	353	331	22
Grand Total ...	36,349	36,316	33

So that of the whole area irrigated, only a little more than one-third was watered from the beginning of the season, the rest only after the commencement of the drought. The irrigation by lift is an infinitesimal portion of the whole.

34. The area irrigated per mile of canal was—

Khureef 750 acres; rubbee 7·4.

The area irrigated per mile of distributary—

Khureef 182 acres, rubbee 1·75,

but the district is not suited to rubbee cultivation, and it is only resorted to on lands damaged by inundation during the rains.

The area irrigated per cubic foot of supply was—

		Acres.
Khureef ...	$\frac{35,996 \text{ acres}}{350 \text{ cubic feet per second}}$	102·8
Rubbee ...	$\frac{353 \text{ acres}}{224 \text{ cubic feet per second}}$	1·5

It will be seen that the duty of the water in the khureef is very high in comparison with that on canals in the Upper Provinces, but it must be remembered that here no water beyond the small quantity necessary to allow for absorption and evaporation is admitted into the canal unless it is required for irrigation, as the slope of bed is so arranged that each reach can be reduced to the state of a still-water canal. Moreover, the rainfall is heavy, and cultivators can allow a longer interval between the waterings than in a drier climate.

35. It is probable that a much larger area would have been irrigated in September and October, had the water in the river not fallen so low, and had the weir at Midnapore been raised to its full height. Below is given the previous average and minimum discharges of the river compared with those of 1873 :—

	Previous Years.		1873.		Average utilized.
	Average	Minimum.	Average.	Minimum.	
May	1,000	180	500	200	154
June	3,000	180	1,100	469	341
July	6,000	1,500	2,200	750	409
August	9,000	1,200	8,000	2,750	361
September	8,000	2,000	2,000	641	456
October	4,000	900	700	241	383

From which it will be seen that in October, when the water was most wanted, the average supply was 200 cubic feet per second less than the minimum supply known in previous years, and the minimum was 659 below that quantity. This is the great drawback to which irrigation schemes in Lower Bengal are subject: the supply of water in the rivers is derived only from the rain which falls within the area of their catchment basins, and consequently is liable to fail when water is most required for irrigation. The remedy would of course be to construct reservoirs for the storage of water; but I seriously doubt whether this can be done without incurring an expenditure far beyond that on which there is any probability of a return being obtained.

36. The state of the collections is as follows:—

	Due.	Recoveries and Remissions.	Balance.
	Rs.	Rs.	Rs.
Arrears outstanding on account of previous year ...	12,272	...	...
Assessment of year's water-rates	82,243	45,569	48,946
Miscellaneous	2,711	2,711	...
TOTAL ...	97,226	48,280	48,946

The balances are very heavy; but much work was thrown on the establishment by the sudden demand for irrigation, and they could not attend to the collections.

37. The Navigation Returns have been as follows:—

	Rs.
Tolls collected in 1872-73	20,994
Ditto in 1873-74	34,104
INCREASE IN 1873-74 ...	13,110

This is due to the opening of the canal throughout in October 1873, and traffic was no doubt stimulated by the drought in Behar, as some Patna boats found their way up to Midnapore.

The tollage per mile of canal open was somewhat less than in the previous year, but this was due to the entire 53 miles not having been open during the whole year.* The mean length of canal open for 12 months was 35 miles only, and this gives a mileage rate of Rs. 975 per annum against Rs. 874 in the previous year.

* The tollage of the last half of the year was nearly 50 per cent. in excess of that in the first half.

38. The following table shows a comparison on various points of the traffic in the last two years:—

	1872-73.	1873-74.	DIFFERENCE, 1873-74.
Number of miles open at the end of the year	24	53	+ 29
Toll collections	20,994	34,104	+ 13,110
Rate of tolls per mile	874	643	— 231
Number of boats, including empties	26,407	29,997	+ 3,590
Value of traffic	76,25,108	91,65,525	+ 15,40,417
Tonnage of boats, exclusive of empties	1,03,314	1,20,098	+ 16,784

39. The principal articles carried were—

	1872-73.	1873-74.	DIFFERENCE, 1873-74.
	Tons.	Tons.	Tons.
Articles of food	39,574	50,541	+ 10,967
Stimulants	2,971	4,382	+ 1,411
Clothing	7,601	7,073	— 528
Staples of manufacture	11,269	14,610	+ 3,341
Building materials	4,895	5,028	+ 133
Fuel	18,173	15,009	— 3,164
Cooking utensils and domestic implements	2,533	1,951	— 582
Miscellaneous	16,630	16,366	— 264
Government stores and materials	668	5,141	+ 4,473
	Number.	Number.	Number.
Empty boats	3,860	6,174	+ 2,314
Passenger boats	11,877	12,379	+ 502

so that of the total increase in tonnage, two-thirds was due to boats carrying articles of food.

40. There is one benefit gained by a district from a canal in years of drought, which, though it cannot be shewn to its credit in account, should be taken into consideration in calculating the advantages to be gained by its construction, and that is the value of the food-grains produced by the irrigation afforded.

The following statement of the average produce in paddy per acre was furnished by Mr. Anderson, the Manager of the large estate of Messrs. Watson and Company in the Midnapore district :—

	Mds.	Mds.
Land of the 1st quality irrigated from tanks	39 to	42
„ 2nd „ irrigated	33 to	36
„ „ „ unirrigated	18 to	30
„ 3rd „ „ autumn rice (acus)	18 to	30

During the present year, I think it will be fair to assume the produce of the lands irrigated throughout the season as equal to the best unirrigated land in produce, say at 30 maunds per acre, and the remainder as equal to the worst unirrigated land, say at 18 maunds per acre—

	Mds.
We then have 12,208 acres, at 30 maunds per acre	3,66,240
„ 23,788 „ 18 „ „	4,28,184
Produce of grain in maunds ...	7,94,424

	Rs.
The rate for paddy, I am told, was about 1½ maunds per rupee, hence the value of the crop, which would probably have failed without the irrigation, was ...	5,29,616

TIDAL CANALS.

41. These canals are situated near the coast, and consist of two reaches : one extends from the river Roopnarayan to the Haldee, the other from the latter river to the Russoolpore : their total length is 29 miles. It was intended by the East India Irrigation Company, who commenced these works, to connect them with the canal to Cuttack ; but at present they are isolated works, carrying the produce of the Hidgellee portion of the Midnapore district and some of that from the neighbouring district of Balasore.

When the sea is smooth many of the boatmen prefer floating with the tide up the Hooghly to Calcutta, instead of towing their boats through the canals ; but in the south-west monsoon they take the latter route. The canals were completed and opened for traffic in September 1873.

42. The amount of capital invested in them up to the 1st April 1874, exclusive of interest, was Rs. 17,83,535, of which the following is the detail of the additions made in 1873-74 :—

	Rs.
Canal	98,237
Establishment	54,872
	1,53,109
D. D. reduction of Suspense Balances	6,063
Expenditure of the year	1,47,046

43. The amount of charges unpaid—

	Rs.
Up to date is	18,139
Of interest	2,83,746
Total Deficiency	3,01,885

Of the above, Rs. 9,993 and Rs. 77,960 are the amounts for the current year.

44. The Revenue account for 1873-74 is as follows :—

Receipts.	Rs.	Rs.
Water-rates	2,598	
Navigation	27,978	
Miscellaneous	639	
		31,215
Balance deficiency, being 10·61 per cent. on the capital of Rs. 16,36,489		9,993
Total ...		41,208

Expenditure.	Rs.	Rs.
Main Canal	35,331	
Drainage	1,575	
Buildings	813	
		37,719
Establishment.		
General	1,215	
Navigation	1,933	
		3,148
Tools and Plant		341
Total ...		41,208

There is an increase of Rs. 31,998 over that in 1872-73 in the expenditure on repairs ; this is due to the thorough silt clearance of the canal before the final opening. A large reduction in the executive establishment was made towards the end of the year.

The receipts are mainly for navigation, which was only made practicable at all times of the tide by the completion of the locks in September 1873. The most unexpected increase in the tollage was in some measure due to the demand for rice created by the drought. The crops in the district traversed by this canal were good, and much grain from the lower portion of the Balasore district was exported through it. The canal was closed for traffic from April to the end of August.

45. The following table gives some details of the traffic in the two last years :—

	1872-73.	1873-74.	Difference, 1873-74.
Miles of canal open	26	29	+ 3
Toll collections	14,454	27,978	+ 13,524
Rate of toll per mile of canal	556	965	+ 409
Number of boats	7,721	13,918	+ 6,197
Value of traffic	10,35,238	14,33,724	+ 3,98,486
Tonnage of boats, exclusive of that of empties	19,153	63,077	+ 43,924

46. The principal articles carried were—

	1872-73.	1873-74.	Difference, 1873-74.
	Tons.	Tons.	Tons.
Articles of food	15,430	53,669	+ 38,239
Stimulants	1,257	1,852	+ 595
Clothing	23	194	+ 171
Staples of manufacture	67	786	+ 719
Building materials	851	1,249	+ 398
Live-stock boats	No. 3	No. 2	—No. 1
Fuel	509	575	+ 66
Cooking utensils and other domestic implements ...	32	318	+ 286
Miscellaneous	927	14,042	+ 13,115
Empty boats	No. 3317	No. 5910	+No. 2593
Passenger boats	No. 152	No. 284	+No. 132

Of the total increase in tonnage, 38,239 is due to boats carrying articles of food.

47. The water-rates charged became due in 1870-71 in the following manner :—On the 16th July in that year the Executive Engineer reported that up to that date the rainfall had only been 8·35 inches against an average of 34·44 in the three previous years, and on the 27th that it had only reached 10·03 inches. Orders were therefore given to him to allow the cultivators to take water in any way they could through the canal on their agreeing to pay a charge of 1 rupee per acre. In this way 2,774 acres were irrigated, for which Rs. 2,598 were recovered, and Rs. 8 remitted in the current year, leaving a balance of Rs. 168 still unrealized. No water has been given for irrigation since that year.

SOANE CIRCLE.

48. The canals in this circle are not yet in use. At the time the last Revenue Report was submitted, hopes were entertained that they might be ready to commence irrigation in the current year, but the temporary opening of them during the drought interfered so much with the progress of the works that it has not been found possible to make them available, but they will probably be ready by the end of the working season 1874-75.

49. The Capital Account to April 1874 is as follows :—

	Works and Tools and Plant.	Establishment.	Total.
	Rs.	Rs.	Rs.
Capital on 1st April 1873	57,52,902	11,80,919	69,33,821
Expenditure in 1873-74	24,78,871	4,79,029	29,57,900
	82,31,773	16,59,948	98,91,721
Deduct receipts on Capital Account	25,903	...	25,903
Capital on 1st April 1874	82,05,870	16,59,948	98,65,818

50. The abstract of the year's expenditure on works has been as follows :—

	Rs.	Rs.
Head Works	5,17,650	
		5,17,650
EASTERN BANK.		
Main Canal	17,986	
Patna Branch	5,05,372	
Distributaries	4,301	
		5,27,659
WESTERN BANK.		
Main Canal	1,53,830	
Distributaries	10,144	
Extension	6,967	
		1,70,941
Arrah Branch	5,20,856	
Distributaries	1,23,025	
		6,43,881
Buxar Branch	80,217	
Distributaries	35,716	
		1,15,933
Field Survey		17,365
TOTAL SOANE CANAL ...		19,93,429

51. Total charge for establishment was Rs. 4,79,029, or, exclusive of surveys, Rs. 4,25,118, which gives a percentage of 21·3 on the expenditure.

52. The Interest Account is as follows :—

	Rs.
Amount of interest due on 1st April 1873	5,20,603
Charge for 1873-74	3,74,380
TOTAL DUE ON 1ST APRIL 1874 ...	8,94,983

53. Although these canals were not sufficiently complete to allow of regular irrigation during the year, still, on the occurrence of the drought in September, orders were issued to turn the water into them, and distribute it in the best manner possible. The gates were lifted on the 3rd of October, and irrigation was carried on through cuts in the bank and by means of the natural drainage lines up to the month of February.

During that time water was issued to 702 villages in the Shahabad and 288 in the Patna and Gya districts, or 990 villages in all. The gross area of the lands owned by these villages is 607 square miles, and it is estimated that of this 159,470 acres were watered. It was not thought advisable to make any measurement of the land irrigated as the water was given without payment. Much of the land was watered two and three times.

54. If we consider that each irrigated acre produced a crop of 10 maunds weight of grain, which is a low average, then the quantity of grain provided in this tract of country by means of irrigation was about 15,94,700 maunds, or about 57,000 tons, which must otherwise have been imported for the sustenance of the people. At Rs. 3 per maund, the value of this would have been Rs. 47,84,100, or nearly one-half of what had been expended on the canal up to the end of the year. The rate in an ordinary year is about Rs. 2 per maund, but even at this rate the value would have been Rs. 31,89,400.

DAMOODUR CANAL.

55. Work on this canal has been suspended for the present, but the charge for interest is still accumulating on the capital expended. The following is the account for the year :—

CAPITAL ACCOUNT.	Rs.
Capital on 1st April 1873	1,84,846
Deduct net receipts	26,529
Capital on 1st April 1874	1,58,317
INTEREST ACCOUNT.	
Interest on 1st April 1873	31,801
Charge for the year	8,109
Interest up to 1st April 1874	39,910

The receipts during the year are due to the sale of old stores belonging to the canal.

GENERAL REMARKS.

56. The aggregate increase to the capital invested in Irrigation Works during the year amounted to Rs. 52,52,932 on extraordinary works. On ordinary works the capital invested was decreased during the year by Rs. 26,592. The debit to each series is as follows:—

	Capital on 1st April 1873.	Additions during 1873-74.	Capital on 1st April 1874.
Extraordinary.	Rs.	Rs.	Rs.
Orissa Works	1,22,15,773	16,97,591	1,39,13,364
Midnapore Canal	53,21,634	4,76,298	57,97,932
Tidal Canal	16,36,489	1,47,046	17,83,535
Canals not yet producing Revenue—			
Soane Canal	69,33,821	29,31,997	98,65,818
Ordinary.			
Damoodur Canal	1,84,846	—26,529	1,58,317
TOTAL ...	2,62,92,563	52,26,403	3,15,18,966

57. The state of the account for maintenance charges and interest is as follows:—

	Balance of Charges unpaid.		Interest.		Total.	
	For the year.	Total.	For the year.	Total.	For the year.	Total.
Extraordinary.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Orissa Works	85,356	5,18,887	5,89,066	22,67,963	6,74,422	27,86,850
Midnapore „	47,919	1,16,968	2,50,511	9,75,162	2,98,430	10,92,130
Tidal Canals	9,993	18,139	77,960	2,83,746	87,953	3,01,885
Soane „	...	...	3,74,380	8,94,983	3,74,380	8,94,983
TOTAL EXTRAORDINARY ...	1,43,268	6,53,994	12,91,917	44,21,854	14,35,185	50,75,848
Ordinary.						
Damoodur Canal	...	...	8,109	39,910	8,109	39,910
TOTAL EXTRAORDINARY & ORDINARY	1,43,268	6,53,994	13,00,026	44,61,764	14,43,294	51,15,758

58. The percentage of establishment charges, exclusive of surveys, revenue, and navigation on the total cost of works and repairs, has been only 22·3 per cent. against 23 and 24 in the two previous years.

59. The revenue of each series has been in excess of the estimate.

	Rs.
The amount of the Budget Estimate was	1,06,600
Regular	1,02,189
The receipts	1,47,688

This was mainly due to the unexpected increase in navigation tolls on the Midnapore and Tidal Canals.

60. A list of the officers employed is attached.

61. The following statements and reports are annexed:—

STATEMENTS.

1. Comparative statements of rainfall and irrigation in 1873-74 and 1872-73 (two statements).
2. Comparative statements of navigation in 1873-74 and 1872-73 (three statements).
3. Capital account of the Orissa Project to end of 1873-74.
4. Ditto ditto Midnapore Project to ditto.
5. Ditto ditto Soane Project to ditto.
6. Ditto ditto Damoodur Project to ditto.
7. Revenue account of the Orissa Project to ditto.
8. Ditto ditto Midnapore Project to ditto.
9. Summary of financial results to ditto.
10. Flood diagrams of the Mahanaddy, Katjooree, Brahminee, Byturnee, Beropa, Salundee, and Pattea Rivers in Orissa, and the Cossye River in Midnapore, and the Ganges and the Soane in Behar (14).
11. List of officers employed.

REPORTS.

ORISSA PROJECT.

1. Report by the Commissioner of Orissa and by the Collector of Cuttack, submitting the Canal Revenue Report by the Officiating Canal Revenue Superintendent for 1873-74.
2. Report by the Superintending Engineer, Orissa Circle, on the Navigation Revenue for 1873-74.

MIDNAPORE PROJECT.

3. Report by the Collector of Midnapore, submitting the Canal Revenue Report by the Deputy Superintendent of Canal Revenue for 1873-74.
4. Report by the Superintending Engineer, South-Western Circle, on the Navigation Revenue for 1873-74.

H. W. GULLIVER, COLONEL, R. E.,
Offg. Chief Engineer, Bengal, Irrigation Branch.

COMPARISON BETWEEN RAINFALL IN THE YEARS 1873-74 AND 1872-73.

		Khureef.							Rubbee.							Total of year.
		June.	July.	August.	Sept.	October.	Nov.	Total.	Dec.	January.	Feb.	March.	April.	May.	Total.	
Orissa	1873-74 ...	2·74	11·04	11·06	5·56	2·17	0·30	32·87	0·18	1·92	2·32	0·52	1·70	0·80	7·44	40·31
	1872-73 ...	17·71	12·72	9·54	8·76	16·16	2·39	67·28	0·02	...	...	2·71	0·65	2·38	5·76	73·04
Average rainfall for 18 years		...	...	...	...	...	...	...	...	...	...	...	...	...	...	54·69
Midnapore	1873-74 ...	6·86	15·15	6·59	4·25	...	0·02	32·87	0·05	0·56	3·69	1·13	0·71	1·46	7·60	40·47
	1872-73 ...	10·49	9·06	14·65	6·66	12·49	0·04	53·39	0·01	0·23	...	0·88	...	8·68	9·80	63·19
Average rainfall for three years		...	...	...	...	...	...	...	...	...	...	...	...	...	...	53·73
Panchkoorah	1873-74 ...	3·30	24·30	14·27	4·18	0·25	...	46·30	0·10	1·85	0·50	1·09	1·01	2·56	7·11	53·41
	1872-73	9·45	5·20	4·70	6·60	8·90	...	34·85	...	...	...	0·50	...	Rain gauge broken.	0·50 *	35·35
Average rainfall for three years		...	...	...	...	...	...	...	...	...	...	...	...	...	...	46·78

IRRIGATION OPERATIONS IN BENGAL.

COMPARATIVE STATEMENT OF IRRIGATION IN 1873-74 AND 1872-73.

Name of Canal.	Area.			Area irrigated in 1873-74.			Area irrigated in 1872-73.			1873-74 compared with 1872-73.		Remarks.
	Culturable in the portion of the District under the Canal.	Provided for at 133 acres per cubic foot of discharge.	For which distributaries have been constructed.	Khureef.	Rubbee.	Total.	Khureef.	Rubbee.	Total.	Increase.	Decrease.	
Orissa.												
Kendraparah Canal	2,49,000	2,00,000	56,200	4,904	2,921	7,825	3,474	844	4,318	3,507	...	The area shown as irrigated in 1873-74 includes surreptitious irrigation 732 acres.
Pattamoondee Branch	1,57,000	1,13,000	...	...	...	...	...	...	...	...	...	
High Level Canal, 1st Section	89,000	80,000	48,200	2,977	36	3,013	237	...	237	2,776	...	
Taldundah and Matchgong	2,32,000	1,55,000	33,265	1,399	334	1,733	101	97	198	1,535	...	
Total Orissa ...	7,27,000	5,48,000	1,37,665	9,280	3,291	12,571	3,812	941	4,753	7,818	...	
Under Midnapore Weir	2,50,000	1,32,800	70,800	30,613	43	30,656	9,206	...	9,206	21,450	...	
Panchkoorah Weir	67,000	31,800	18,750	3,361	310	3,671	2,277	...	2,277	1,394	...	
Tidal Reaches	16,000	11,500	11,500	2,022	...	2,022	1,923	...	1,923	99	...	
Total Midnapore ...	3,33,000	1,76,100	1,01,050	35,996	353	36,349	13,406	...	13,406	22,943	...	

H. W. GULLIVER, Colonel, R. E.,
Offg. Chief Engineer, Bengal, Irrigation Branch.

STATEMENT SHOWING THE TOTAL TRAFFIC DURING 1873-74, AS COMPARED WITH 1872-73, ON THE ORISSA AND MIDNAPORE CANALS.

Name of Canal.	Number of miles open, 1872-73.	Number of miles open, 1873-74.	Number of Boats, including empties, 1872-73.	Number of Boats, including empties, 1873-74.	Tonnage of Boats, 1872-73.	Tonnage of Boats, 1873-74.	Value of Cargo, 1872-73.	Value of Cargo, 1873-74.	Tolls, 1872-73.	Tolls, 1873-74.
							Rs.	Rs.	Rs.	Rs.
Kendraparah	40	40	3,947	6,166	26,313	50,377	47,10,968	42,55,389	8,023	16,087
High Level	37	37	772	1,067	3,190	6,375	51,415	1,03,040	1,551	1,497
Taldundah	27	27	382	884	2,452	9,108	21,270	30,844	468	987
Matchgong	6	6	...	...	...	...	...	...	2	6
Total Orissa ...	110	110	5,101	8,117	31,955	65,860	47,83,653	43,89,273	10,044	18,577
Midnapore	24	53	26,407	29,997	103,314	120,098	76,25,108	91,65 525	20,904	34.104
Tidal	26	29	7,721	13,918	19,153	63,077	10,35,238	14,33,724	14,454	27,978
Total Orissa and Midnapore ...	160	192	39,229	52,032	154,422	249,035	1,34,43,999	1,49,88,522	45,402	80,659
1873-74 ... { More	...	32	...	12,803	...	94,613	...	15,44,523	...	35,167
1873-74 ... { Less	...	...	...	...	...	...	...	...	...	...

PRIVATE TRAFFIC.

STATEMENT SHOWING THE NUMBER OF BOATS, CLASS OF GOODS, TONNAGE AND VALUE OF CARGOES, AND TOLLS LEVIED ON ALL CANALS IN ORISSA IN 1873-74, AS COMPARED WITH 1872-73.

	Number of Boats, 1872-73.	Number of Boats, 1873-74.	Tonnage of Cargo, 1872-73.	Tonnage of Cargo, 1873-74.	Value of Cargo, 1872-73.	Value of Cargo, 1873-74.	Tolls, 1872-73.	Tolls, 1873-74.
					Rs.	Rs.	Rs.	Rs.
Articles of food	1,944	3,125	19,607	30,086	28,71,063	33,58,219	5,593	11,553
Stimulants	1	4	18	19	2,53,500	32,180	5	7
Clothing	16	27	278	257	3,47,508	80,073	135	110
Staples of manufacture	32	40	251	1,158	16,419	3,06,978	76	85
Building materials	143	278	1,388	13,380	15,859	75,860	455	466
Live-stock	...	3	...	45	...	3,000	...	20
Fuel	23	29	345	2,562	831	410	54	34
Cooking utensils and domestic implements ...	13	...	46	...	1,315	...	16	...
Miscellaneous	400	174	3,059	2,258	7,91,921	4,20,402	1,142	189
Total ...	2,572	3,680	25,052	49,765	42,98,416	42,77,212	7,476	12,464
1873-74 ... { More	...	1,108	...	24,713	...	...	...	4,988
1873-74 ... { Less	...	...	...	...	...	21,204	...	...

H. W. GULLIVER, Colonel, R. E.,
Offg. Chief Engr., Bengal, Irrigation Branch.

PRIVATE TRAFFIC.

STATEMENT SHOWING THE NUMBER OF BOATS, CLASS OF GOODS, TONNAGE AND VALUE OF CARGOES, AND TOLLS LEVIED ON THE MIDNAPORE CANALS IN 1873-74, AS COMPARED WITH 1872-73.

	Number of Boats, 1872-73.	Number of Boats, 1873-74.	Tonnage of Cargo, 1872-73.	Tonnage of Cargo, 1873-74.	Value of Cargo, 1872-73.	Value of Cargo, 1873-74.	Tolls, 1872-73.	Tolls, 1873-74.
					Rs.	Rs.	Rs.	Rs.
Articles of food	7,042	11,024	55,004	1,04,210	19,10,474	29,96,304	13,471	31,006
Stimulants	703	653	4,228	6,234	4,47,045	4,27,168	1,419	1,410
Clothing	1,163	990	7,623	7,207	20,00,651	25,14,786	951	1,036
Staples of manufacture ...	1,334	1,465	11,336	15,396	25,32,396	28,38,348	1,745	2,739
Building materials ...	537	611	5,746	6,277	33,428	48,215	978	1,338
Live stock	3	2	...	11	530	620	3	2
Fuel	761	782	18,681	15,584	1,12,631	90,057	2,340	2,824
Cooking utensils and domestic implements	434	353	2,565	2,269	18,083	20,389	392	304
Miscellaneous	22,074	27,705	17,557	30,408	16,17,025	16,32,391	13,737	20,868
TOTAL ...	34,051	43,585	1,22,740	1,87,656	86,42,263	1,05,68,278	35,036	61,527
1873-74 ... { More ...	...	9,534	...	64,916	...	19,26,015	...	26,491
1873-74 ... { Less ...	...	...	...	...	...	...	...	..

H. W. GULLIVER, COL., R. E,
Offg. Chief Engr., Bengal, Irrign. Branch.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

No. XXVI OF 1875.

APPROXIMATE STATEMENT OF GROSS RECEIPTS ON INDIAN RAILWAYS.

Latest return received	Railways.	For week ending 4th July 1874.	For week ending 3rd July 1875.	Total from 1st January to 4th July 1874.	Total from 1st January to 3rd July 1875.	Total increase in 1875.	Total decrease in 1875.
	Guaranteed.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
18th Sept. 1875	East Indian, Main ...	6,50,889	4,47,380	2,15,81,013	1,47,80,115	...	68,00,898
Ditto	Ditto, Jubbulpoor ...	1,15,809	31,170	17,33,097	11,88,921	...	5,44,176
Ditto	Eastern Bengal ...	64,114	58,013	18,56,674	14,20,938	...	4,35,736
28th Aug. 1875	Oudh and Rohilkhund	34,201	43,100	9,80,520	14,99,908	5,19,388	...
11th Sept. 1875	Sindh, Punjab & Delhi	2,49,050	1,85,062	45,61,124	35,20,421	...	10,40,703
4th ditto ...	Madras ...	1,15,967	1,38,824	29,29,085	32,17,516	2,88,431	...
28th Aug. 1875	South Indian ...	18,412a	27,181	4,68,396	4,86,158	17,762	...
11th Sept. 1875	Great Indian Peninsula	2,38,851	4,04,783	1,25,32,649	1,32,69,690	7,37,041	...
Ditto	Bombay, Baroda, and Central India ...	1,24,720	74,753	38,21,423	39,26,338	1,04,915	...
	TOTAL ...	16,02,013	14,10,266	5,04,63,981	4,33,10,005	...	71,53,976
	State.						
18th ditto ...	Calcutta and South-Eastern ...	2,514	2,674	56,542	56,352	...	190
Ditto	Nulhattee ...	1,637	1,438	47,700	45,184	...	2,516
11th ditto ...	Rajpootana ...	15,503	47,665	2,16,192	8,74,411	6,58,219	...
Ditto	Holkar ...	4,371	6,336	31,663b	1,84,548	1,52,885	...
Last 4 days of June.	Khamgaon ...	...	127c	23,989d	39,361e	15,372	...
21st Aug. 1875	Oomrsotee ...	492	557	21,997	43,268	21,271	...
Ditto	Wardha Valley ...	...	...	17,244f	22,877g	5,633	...
21st Aug. 1875	Nizam's ...	...	24,865	...	2,43,862	2,43,862	...
Ditto	Tirhoot ...	...	...	...	40,429h	40,429	...
28th Aug. 1875	Punjab Northern ...	...	4,055	...	45,037i	45,037	...
	TOTAL ...	24,517	87,717	4,15,327	15,95,329	11,80,002	...
	GRAND TOTAL ...	16,26,530	14,97,983	5,08,79,308	4,49,05,334	...	59,73,974

(a) Includes Rs. 207, being the approximate earnings of the Carnatic Railway for the first four days of July 1874.
(b) Total receipts from 1st February to 4th July 1874.
(c) Receipts for the last four days of June 1875.
(d) Total receipts from 1st January to 14th June 1874, after which the line was closed.
(e) Total receipts from 1st January to 30th June 1875.
(f) Total receipts from 1st February to 14th June 1874, after which the line was closed.
(g) Total receipts from 1st January to 15th June 1875, after which the line was closed.
(h) Total receipts from 11th January to 13th June 1875, after which the line was closed.
(i) Total receipts from 12th April to 3rd July 1875.

No. XXVII of 1875.

APPROXIMATE STATEMENT OF GROSS RECEIPTS ON INDIAN RAILWAYS.

Latest return received.	Railways.	For week ending		Total from 1st January		Total increase in 1875.	Total decrease in 1875.
		11th July 1874.	10th July 1875.	to 11th July 1874.	to 10th July 1875.		
	Guaranteed.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
18th Sept. 1875	East Indian, Main ...	5,16,278	3,92,316	2,20,97,291	1,51,72,431	...	69,24,860
18th ditto	Ditto, Jubbulpoor ...	33,244	18,390	17,65,341	12,07,311	...	5,58,030
18th ditto	Eastern Bengal ...	38,921	38,346	18,95,595	14,59,284	...	4,36,311
28th Aug. 1875	Oudh and Rohilkhund	34,186	45,583	10,14,706	15,45,491	5,30,785	...
11th Sept. 1875	Sindh, Punjab & Delhi	1,06,453	1,28,833	46,67,577	36,49,254	...	10,18,323
4th ditto	Madras ...	1,12,511	1,26,454	30,41,596	33,43,970	3,02,374	...
28th Aug. 1875	South Indian ...	16,331[a]	16,852	4,84,727	5,03,010	18,283	...
11th Sept. 1875	Great Indian Peninsula	2,42,501	1,95,227	1,27,75,149	1,34,64,916	6,89,767	...
11th ditto	Bombay, Baroda, and Central India ...	61,985	66,034	38,83,408	39,92,372	1,08,964	...
	TOTAL ...	11,61,410	10,28,035	5,16,25,390	4,43,38,039	...	72,87,351
	State.						
18th Sept. 1875	Calcutta and South-Eastern ...	1,377	1,361	57,920	57,712	...	208
18th ditto	Nulhattee ...	1,162	1,574	48,862	46,758	...	2,104
11th ditto	Rajpootana ...	12,271	29,373	2,28,464	9,03,785	6,75,321	...
11th ditto	Holkar ...	1,956	3,750	33,620[b]	1,88,299	1,54,679	...
11th ditto	Khamgaon ...	...	...	23,989[c]	39,361[d]	15,372	...
21st Aug. 1875	Oomrnotee ...	368	470	22,365	43,737	21,372	...
21st ditto	Wardha Valley ...	...	...	17,244[e]	22,877[f]	5,633	...
21st ditto	Nizam's ...	...	9,824	...	2,53,686	2,53,686	...
21st ditto	Tirhoot ...	...	...	...[g]	40,429[g]	40,429	...
28th ditto	Punjab, Northern ...	...	5,551	...	50,588[h]	50,588	...
	TOTAL ...	17,134	51,903	4,32,464	16,47,232	12,14,768	...
	GRAND TOTAL ..	11,78,544	10,79,938	5,20,57,854	4,59,85,271	...	60,72,583

(a) Includes Rs. 543, being the approximate earnings of the Carnatic Railway for the week ending 11th July 1874.
(b) Total receipts from 1st February to 11th July 1874.
(c) Total receipts from 1st January to 14th June 1874, after which the line was closed.
(d) Total receipts from 1st January to 30th June 1875.
(e) Total receipts from 1st January to 14th June 1874, after which the line was closed.
(f) Total receipts from 1st January to 15th June 1875, after which the line was closed.
(g) Total receipts from 11th January to 12th June 1875, after which the line was closed.
(h) Total receipts from 12th April to 10th July 1875.

No. XXVIII of 1875.

APPROXIMATE STATEMENT OF GROSS RECEIPTS ON INDIAN RAILWAYS.

Latest return received.	Railways.	For week ending		Total from 1st January		Total increase in 1875.	Total decrease in 1875.
		18th July 1874.	17th July 1875.	to 18th July 1874.	to 17th July 1875.		
	Guaranteed.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
18th Sept. 1875	East Indian, Main ...	4,93,539	3,82,881	2,25,90,830	1,55,55,312	...	70,35,518
18th ditto	Ditto Jubbulpoor ...	29,435	21,965	17,94,776	12,29,276	...	5,65,500
18th ditto	Eastern Bengal ...	38,095	34,726	19,33,690	14,94,009	...	4,39,681
28th Aug. 1875	Oudh and Rohilkhund	34,447	46,220	10,49,153	15,91,710	5,42,557	...
11th Sept. 1875	Sindh, Punjab & Delhi	1,49,029	1,00,655	48,16,606	37,49,910	...	10,66,696
4th ditto	Madras ...	1,22,348	1,17,700	31,63,945	34,61,670	2,97,725	...
28th Aug. 1875	South Indian ...	21,938[a]	15,184	5,06,725	5,18,194	11,469	...
11th Sept. 1875	Great Indian Peninsula	1,93,535	2,08,369	1,29,68,684	1,36,68,285	6,99,601	...
11th ditto	Bombay, Baroda, and Central India ...	61,680	54,454	39,45,088	40,46,826	1,01,738	...
	TOTAL ...	11,44,106	9,77,154	5,27,69,497	4,53,15,192	...	74,54,305
	State.						
18th Sept. 1875	Calcutta and South-Eastern ...	1,284	1,345	59,204	59,058	...	146
18th ditto	Nulhattee ...	1,745	1,386	50,607	48,144	...	2,463
11th ditto	Rajpootana ...	10,990	23,140	2,39,454	9,26,925	6,87,471	...
11th ditto	Holkar ...	1,492	3,404	35,112[b]	1,91,702	1,56,590	...
11th ditto	Khamgaon ...	...	...	23,989[c]	39,361[d]	15,372	...
21st Aug. 1875	Oomrnotee ...	306	347	22,671	44,084	21,413	...
21st ditto	Wardha Valley ...	...	...	17,244[e]	22,877[f]	5,633	...
21st ditto	Nizam's ...	...	9,334	...	2,63,021	2,63,021	...
21st ditto	Tirhoot ...	...	...	...	40,429[g]	40,429	...
28th ditto	Punjab, Northern ...	...	3,965	...	54,552[h]	54,552	...
	TOTAL ...	15,817	42,921	4,48,281	16,90,153	12,41,872	...
	GRAND TOTAL ...	11,59,923	10,20,075	5,32,17,778	4,70,05,345	...	62,12,433

(a) Includes Rs. 220, being the approximate earnings of the Carnatic Railway for the week ending 18th July 1874.
(b) Total receipts from 1st February to 18th July 1874.
(c) Total receipts from 1st January to 14th June 1874, after which the line was closed.
(d) Total receipts from 1st January to 30th June 1875.
(e) Total receipts from 1st February to 14th June 1874, after which the line was closed.
(f) Total receipts from 1st January to 15th June 1875, after which the line was closed.
(g) Total receipts from 11th January to 12th June 1875, after which the line was closed.
(h) Total receipts from 12th April to 17th July 1875.

No. XXIX of 1875.

APPROXIMATE STATEMENT OF GROSS RECEIPTS ON INDIAN RAILWAYS.

Latest return received.	Railways.	For week ending		Total from 1st January		Total increase in 1875.	Total decrease in 1875.
		25th July 1874.	24th July 1875.	to 25th July 1874.	to 24th July 1875.		
	Guaranteed.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
18th Sept. 1875	East Indian, Main ...	5,64,885	4,24,718	2,31,55,715	1,59,80,030	...	71,75,685
18th ditto	Ditto, Jubbulpoor	30,692	23,538	18,25,469	12,52,814	...	5,72,655
18th ditto	Eastern Bengal ...	41,524	54,557	10,75,214	15,48,567	...	4,26,947
28th Aug. 1875	Oudh and Rohilkhund ...	29,185	48,112	10,78,338	16,39,822	5,61,484	...
11th Sept. 1875	Sindh, Punjab & Delhi ...	1,48,387	1,11,133	49,64,993	38,61,042	...	11,03,951
4th ditto	Madras ...	1,00,036	1,22,473	32,72,980	35,84,143	3,11,163	...
28th Aug. 1875	South Indian ...	30,422	13,786	5,37,172	5,31,980	...	5,192
11th Sept. 1875	Great Indian Peninsula ...	1,83,193	2,08,249	1,31,51,877	1,38,76,534	7,24,657	...
11th ditto	Bombay, Baroda, and Central India ...	48,495	53,935	39,93,583	41,00,762	1,07,179	...
	TOTAL ...	11,85,819	10,60,501	5,39,55,341	4,63,75,694	...	75,79,647
	State.						
18th Sept. 1875	Calcutta and South-Eastern ...	1,415	1,671	60,619	60,729	110	...
11th ditto	Nulhattee ...	1,460	1,324	32,067	49,468	...	2,599
11th ditto	Rajpootana ...	9,373	19,501	2,48,827	9,46,426	6,97,599	...
11th ditto	Holkar ...	1,593	2,693	36,705*a*	1,94,396	1,57,691	...
11th ditto	Khamgaon ...	...	...	23,989*b*	39,361*c*	15,372	...
21st Aug. 1875	Oomraotee ...	304	353	22,975	44,438	21,463	...
21st ditto	Wardha Valley ...	...	...	17,244*d*	22,877*e*	5,633	...
21st ditto	Nizam's ...	...	8,976	...	2,71,997	2,71,997	...
21st ditto	Tirhoot ...	...	...	...	40,429*f*	40,429	...
28th Aug. 1875	Punjab, Northern ...	...	3,940	...	58,493*g*	58,493	...
	TOTAL ...	14,145	38,458	4,62,426	17,28,614	12,66,188	...
	GRAND TOTAL ...	11,99,964	10,98,959	5,44,17,767	4,81,04,308	...	63,13,459

(*a*) Total receipts from 1st February to 30th July 1874.
(*b*) Total receipts from 1st January to 14th June 1874, after which the line was closed.
(*c*) Total receipts from 1st January to 30th June 1875.
(*d*) Total receipts from 1st February to 14th June 1874, after which the line was closed.
(*e*) Total receipts from 1st January to 15th June 1875, after which the line was closed.
(*f*) Total receipts from 11th January to 12th June 1875, after which the line was closed.
(*g*) Total receipts from 12th April to 24th July 1875.

No. XXX of 1875.

APPROXIMATE STATEMENT OF GROSS RECEIPTS ON INDIAN RAILWAYS.

Latest return received.	Railways.	For week ending		Total from 1st January		Total increase in 1875.	Total decrease in 1875.
		1st August 1874.	31st July 1875.	to 1st August 1874.	to 31st July 1875.		
	Guaranteed.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
18th Sept. 1875	East Indian, Main ...	6,43,486	4,09,996	2,37,99,201	1,63,90,026	...	74,09,175
18th ditto ...	Ditto, Jubbulpoor	33,842	17,304	18,59,311	12,70,119	...	5,89,192
18th ditto ...	Eastern Bengal ...	45,667	39,371	20,20,881	15,87,938	...	4,32,943
28th August 1875	Oudh and Rohilkhund ...	29,097	42,276	11,07,435	16,82,098	5,74,663	...
11th Sept. 1875	Sindh, Punjab & Delhi ...	1,47,183	1,16,532	51,12,175	39,77,575	...	11,34,600
4th ditto ...	Madras ...	1,10,728	1,27,166	33,83,708	37,11,309	3,27,601	...
28th August 1875	South Indian ...	18,776	17,673	5,55,948	5,49,653	...	6,295
11th Sept. 1875	Great Indian Peninsula ...	1,44,565	2,43,956	1,32,96,442	1,41,20,490	8,24,048	...
11th ditto ...	Bombay, Baroda, & Central India ...	47,469	55,400	40,41,052	41,56,161	1,15,109	...
	TOTAL ...	12,20,813	10,69,674	5,51,76,153	4,74,45,369	...	77,30,784
	State.						
18th ditto ...	Calcutta and South-Eastern ...	2,714	2,420	63,333	63,150	...	183
18th ditto ...	Nulhattee ...	1,667	1,051	53,734	50,519	...	3,215
11th ditto ...	Rajpootana ...	10,401	21,417	2,59,228	9,67,843	7,08,615	...
11th ditto ...	Holkar ...	864	6,554	37,570*a*	2,00,949	1,63,379	...
11th ditto ...	Khamgaon ...	...	...	23,989*b*	39,361*c*	15,372	...
21st August 1875	Oomraotee ...	272	665	23,247	45,103	21,856	...
21st ditto ...	Wardha Valley ...	...	...	17,244*d*	22,877*e*	5,633	...
21st ditto ...	Nizam's ...	...	9,245	...	2,81,242	2,81,242	...
21st ditto ...	Tirhoot ...	...	...	...	40,429*f*	40,429	...
28th ditto ...	Punjab, Northern ...	...	3,369	...	61,862*g*	61,862	...
	TOTAL ...	15,918	44,721	4,78,345	17,73,335	12,94,990	...
	GRAND TOTAL ...	12,36,731	11,14,395	5,56,54,498	4,92,18,704	...	64,35,794

(*a*) Total receipts from 1st February to 1st August 1874.
(*b*) Total receipts from 1st January to 14th June 1874, after which the line was closed.
(*c*) Total receipts from 1st January to 30th June 1875.
(*d*) Total receipts from 1st February to 14th June 1874, after which the line was closed.
(*e*) Total receipts from 1st January to 15th June 1875, after which the line was closed.
(*f*) Total receipts from 11th January to 12th June 1875, after which the line was closed.
(*g*) Total receipts from 12th April to 31st July 1875.

No. XXXI OF 1875.

APPROXIMATE STATEMENT OF GROSS RECEIPTS ON INDIAN RAILWAYS.

Latest return received.	Railways.	For week ending		Total from 1st January		Total increase in 1875.	Total decrease in 1875.
		8th August 1874.	7th August 1875.	to 8th August 1874.	to 7th August 1875.		
	Guaranteed.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
18th Sept. 1875	East Indian, Main ...	5,85,438	3,53,860	2,43,84,639	1,67,43,886	...	76,40,753
18th ditto	Ditto, Jubbulpoor	27,405	21,752	18,86,716	12,91,870	...	5,94,846
18th ditto	Eastern Bengal ...	55,080	40,331	20,75,562	16,28,269	...	4,47,693
28th Aug. 1875	Oudh and Rohilkund	30,886	32,284	11,38,322	17,14,383	5,76,061	...
11th Sept. 1875	Sindh, Punjab & Delhi	1,38,306	1,05,550	52,50,482	40,83,125	...	11,67,357
4th ditto	Madras ...	1,18,967	1,22,489	35,02,676	38,33,797	3,31,121	...
28th Aug. 1875	South Indian ...	18,145	15,443	5,74,063	5,65,097	...	8,966
11th Sept. 1875	Great Indian Peninsula	2,02,968	2,38,926	1,34,99,410	1,43,59,416	8,60,006	...
11th ditto	Bombay, Baroda, & Central India ...	42,368	56,825	40,83,420	42,12,986	1,29,566	...
	TOTAL ...	12,19,563	9,87,460	5,63,95,720	4,84,32,829	...	79,62,891
	State.						
18th Sept. 1875	Calcutta and South-Eastern ...	1,304	1,231	64,636	64,380	...	256
18th ditto	Nulhattee ...	1,251	983	54,985	51,502	...	3,483
11th ditto	Rajpootana ...	8,384	25,576	2,67,612	9,93,419	7,25,807	...
11th ditto	Holkar ...	1,056	3,226	38,626*a*	2,04,175	1,65,549	...
11th ditto	Khamgaon ...	...	...	23,989*b*	39,361*c*	15,372	...
21st Aug. 1875	Oomraotee ...	329	431	23,576	45,534	21,958	...
21st ditto	Wardha Valley ...	...	...	17,244*d*	22,877*e*	5,633	...
21st ditto	Nizam's ...	...	9,783	...	2,91,025	2,91,025	...
21st ditto	Tirhoot ...	...	...	...	40,429*f*	40,429	...
28th ditto	Punjab, Northern ...	...	3,572	...	65,434*g*	65,434	...
	TOTAL ...	12,324	44,802	4,90,668	18,18,136	13,27,468	...
	GRAND TOTAL ...	12,31,887	10,32,262	5,68,86,388	5,02,50,965	...	66,35,423

(*a*) Total receipts from 1st February to 8th August 1874.
(*b*) Total receipts from 1st January to 14th June 1874, after which the line was closed.
(*c*) Total receipts from 1st January to 30th June 1875.
(*d*) Total receipts from 1st February to 14th June 1874, after which the line was closed.
(*e*). Total receipts from 1st January to 15th June 1875, after whch the line was closed.
(*f*) Total receipts from 11th January to 12th June 1875, after which the line was closed.
(*g*) Total receipts from 12th April to 7th August 1875.

No. XXXII OF 1875.

APPROXIMATE STATEMENT OF GROSS RECEIPTS ON INDIAN RAILWAYS.

Latest return received.	Railways.	For week ending		Total from 1st January		Total increase in 1875.	Total decrease in 1875.
		13th Augt. 1874.	14th Augt. 1875.	to 13th Augt. 1874.	to 14th Augt. 1875.		
	Guaranteed.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
18th Sept. 1875	East Indian, Main ...	4,73,717	3,74,851	2,48,58,356	1,71,18,737	...	77,39,619
18th ditto	Ditto, Jubbulpoor ...	20,491	20,711	19,07,206	13,12,581	...	5,94,625
18th ditto	Eastern Bengal ...	89,130	51,897	21,65,092	16,80,166	...	4,84,926
28th Aug. 1875	Oudh and Rohilkhund	31,864	35,229	11,70,186	17,49,612	5,79,426	...
13th Sept. 1875	Sindh, Punjab, & Delhi	89,706	73,870	53,40,188	41,56,995	...	11,83,193
4th ditto	Madras ...	1,24,857	1,20,856	36,27,533	39,54,654	3,27,121	...
28th Aug. 1875	South Indian ...	16,089	16,404	5,90,182	5,81,501	...	8,681
11th Sept. 1875	Great Indian Peninsula	2,05,359	1,84,900	1,37,04,769	1,45,44,315	8,39,546	...
11th ditto	Bombay, Baroda, and Central India ...	49,163	54,507	41,32,583	42,67,493	1,34,910	...
	TOTAL ...	11,00,376	9,33,225	5,74,96,095	4,93,66,054	...	81,30,041
	State.						
18th Sept. 1875	Calcutta and South-Eastern ...	1,198	1,375	65,835	65,755	...	80
18th ditto	Nulhattee ...	1,496	1,398	56,481	52,900	...	3,581
11th ditto	Rajpootana ...	8,529	29,055	2,76,141	10,22,474	7,46,333	...
11th ditto	Holkar ...	1,196	3,843	39,822*a*	2,08,019	1,68,197	...
11th ditto	Khamgaon ...	...	...	23,989*b*	39,361*c*	15,372	...
21st Aug. 1875	Oomrotee ...	446	522	24,022	46,056	22,034	...
21st ditto	Wardha Valley ...	...	...	17,244*d*	22,877*e*	5,633	...
21st ditto	Nizam's ...	...	6,588	...	2,97,612	2,97,612	...
21st ditto	Tirhoot ...	...	...	...	40,429*f*	40,429	...
28th Aug. 1875	Punjab, Northern ...	...	883	...	66,317*g*	66,317	...
	TOTAL ...	12,865	43,664	5,03,534	18,61,800	13,58,266	...
	GRAND TOTAL ...	11,13,241	9,76,889	5,79,99,629	5,12,27,854	...	67,71,775

(*a*) Total receipts from 1st February to 15th August 1874.
(*b*) Total receipts from 1st January to 14th June 1874, after which the line was closed.
(*c*) Total receipts from 1st January to 30th June 1875.
(*d*) Total receipts from 1st February to 14th June 1874, after which the line was closed.
(*e*) Total receipts from 1st January to 15th June 1875, after which the line was closed.
(*f*) Total receipts from 11th January to 12th June 1875, after which the line was closed.
(*g*) Total receipts from 12th April to 14th August 1875.

GOVERNME

DEPARTMENT OF REVENU

Prices Current of Food-grains throughout

QUANTITIES PER RUP

DISTRICTS.	Wheat.			Barley.			Rice (best sort).			Rice (common).			Great Millet (Cholum, Jowar) *Holcus sorghum.*			Bulrush Millet (Bajra) *Penicillaria spicata.*			Gram.		
	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.
	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Ganjam	No return received			...	...	...	11 8	12 3	12 3	14 7	13 6	15 2	24 8	21 6	27 0	27 7	31 7	31 7	...	...	...
Vizagapatam	15 0	16 0	11 0	...	...	...	18 8	18 8	16 8	20 0	20 0	18 0	...	...	...	...	...	...	...	...	...
Godavery	12 6	12 6	13 5	...	...	...	18 6	18 6	17 0	19 6	19 6	17 9	25 0	25 0	31 2	...	...	...	...	...	...
Kistna	13 2	13 2	11 8	...	...	...	15 8	14 3	15 8	17 0	16 0	18 0	29 0	28 1	24 0	...	...	...	...	...	...
Nellore	11 2	11 2	12 6	...	...	...	14 8	14 8	13 2	15 8	15 8	14 1	22 9	22 9	23 7	29 0	29 0	28	...	...	...
Cuddapah	11 8	11 8	12 5	...	...	...	13 4	12 8	11 8	14 6	14 6	14 0	21 6	21 6	30 9	20 7	18 5	32	...	...	...
Bellary	14 4	14 4	14 4	...	...	...	13 8	13 8	12 4	15 0	15 0	13 2	21 6	21 9	28 8	...	...	26	...	...	...
Karnool	13 3	13 3	14 0	...	...	...	12 9	12 9	11 4	13 5	13 5	12 8	22 4	23 1	19 6	20 5	20 5	19	...	...	...
Madras	11 0	11 0	11 0	...	...	...	13 5	13 5	12 0	14 3	15 8	12 5	...	...	...	...	...	...	...	...	...
Chingleput	...	...	...	...	...	...	15 9	16 8	15 0	17 3	17 9	15 4	25 5	26 4	27 3	...	...	27	...	...	...
North Arcot	10 5	11 4	11 0	...	...	...	15 2	15 2	12 2	15 7	15 7	...	...	...	30 2	24 6	23 9	28	...	...	...
South Arcot	9 7	9 7	8 6	...	...	...	14 9	14 9	12 9	...	...	13 4	25 4	25 ...	4 ...	29 0	29 0	28	...	...	...
Tanjore	10 3	11 0	10 3	...	...	...	14 4	15 1	11 9	15 2	15 6	12 3	22 4	23 8	18 2	22 9	25 5	23	...	...	...
Trichinopoly	9 9	9 9	10 6	...	...	...	12 2	12 2	10 1	14 4	13 9	11 0	25 9	34 0	31 9	26 5	30 9	28	...	...	...
Madura	11 3	11 3	9 7	...	...	...	10 5	10 5	9 0	12 1	12 1	10 6	...	...	...	18 3	18 3	21	...	...	...
Tinnevelly	8 0	8 0	8 0	...	...	...	11 3	11 3	10 1	12 2	12 2	10 6	20 1	19 6	20 4	21 4	20 0	21	...	...	...
Coimbatore	10 2	10 2	11 7	...	...	...	8 8	10 4	8 0	9 6	11 2	8 8	15 4	15 4	16 9	14 0	14 0	16	...	...	...
Nilgiris	9 9	11 4	8 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem	No return received			...	...	...	9 2	9 7	9 5	13 7	13 7	12 7	...	...	...	...	...	...	...	...	...
South Canara	10 3	12 0	9 0	...	...	...	11 7	12 1	11 3	12 5	13 0	12 1	...	...	...	...	...	...	...	...	...
Malabar	10 1	10 1	11 5	...	...	...															
Bombay	11 9	11 9	13 4	20 6	20 2	20 4	7 12	7 12	8 12	11 2	11 2	12 10	19 6	19 6	22 8	17 3	17 3	18	...	...	...
Ahmedabad	16 12	17 0	14 12	25 0	25 0	30 0	7 4	7 4	7 0	11 0	11 0	11 0	21 2	18 0	19 0	19 3	18 4	22	...	...	...
Kaira	13 5	13 15	13 5	26 11	26 11	32 0	8 7	8 14	8 14	11 7	12 5	12 1	20 0	17 2	22 14	16 0	16 13	22	...	...	...
Surat	12 5	12 5	12 13	13 6	13 6	7 6	7 6	7 6	7 6	8 3	8 3	11 5	16 3	16 6	18 8	14 1	14 1	17	...	...	...
Broach	14 0	14 0	14 0	...	...	...	8 0	8 0	9 8	11 0	11 0	12 0	18 0	18 0	21 8	15 0	15 0	21	...	...	...
Tanna	11 0	11 0	12 0	15 0	15 0	13 0	7 8	7 8	8 0	10 0	10 0	10 0	16 0	16 0	17 0	16 0	16 0	17	...	...	...
Kolaba	11 5	11 5	11 6	...	...	...	7 10	7 10	7 10	11 6	11 6	11 6	19 0	19 0	0 ...	...	...	...	...	...	...
Khandesh (Dhulia)	16 10	15 12	20 4	...	...	...	8 7	8 7	8 7	11 4	11 4	10 14	32 5	28 12	35 7	25 2	25 2	28	...	...	...
Nasik	15 12	15 11	17 0	8 1	8 1	...	5 15	5 15	6 0	11 14	11 14	12 0	...	...	28 6	19 12	19 12	12	...	...	...
Ahmadnagar	17 6	15 15	23 10	...	...	...	9 15½	9 13	9 12	11 2	10 9	10 8	37 2	32 5	59 4	29 4	27 1	28	...	...	...
Poona	13 13	13 13	16 8	10 3	10 3	...	10 7	10 7	10 3	11 10	11 10	11 6	27 3	27 3	32 3	6 20	11 20	11	...	...	...
Sholapur	18 9	19 1	18 10	...	...	...	13 5	13 5	13 15	14 7	15 3	14 8	24 8	24 15	42 0	26 10	25 12	23	...	...	...
Kaladgi	21 3	20 3	20 0	...	...	...	12 12	12 12	10 8	14 0	14 0	11 0	28 11	24 9	28 0	25 12	23 13	23	...	...	...
Satara	14 11	14 11	18 11	26 1	...	26 1	8 14	8 14	10 15	10 11	10 11	14 5	22 10	21 4	37 4	19 6	19 6	23	...	...	...
Belgaum	17 5	16 8	16 8	...	...	...	14 5	15 0	15 0	15 4	15 8	15 2	18 12	17 8	24 0	19 0	19 0	23	...	...	...
Dharwar	23 2	22 10	22 2	...	...	...	12 0	12 0	12 4	19 12	20 0	16 13	24 0	24 2	27 11	22 1	22 1	25	...	...	...
Ratnagiri	9 0	7 12	9 0	...	...	...	11 8	11 8	11 8	12 15	12 15	12 15	...	...	...	15 9	15 9	16	...	...	...
Kanara (Karwar)	13 0	13 0	8 0	...	...	...	10 0	9 0	9 0	12 0	12 0	14 0	14 0	14 0	16 0	13 0	13 0	16	...	...	...
Panch Mahals (Godhra)	11 0	11 0	11 0	...	...	...	11 0	11 0	9 0	13 0	13 0	12 0	25 0	25 0	29 0	19 0	19 0	23	...	...	...
Aden	...	9 5	...	...	...	...	...	7 0	...	...	8 0	...	...	14 14	...	...	12 7	...	...	...	...
Asirgarh	16 0	16 0	...	...	...	...	11 0	11 0	...	12 0	12 0	...	26 8	28 0	...	26 8	26 8	28	...	...	...
Baroda	11 7	12 0	...	18 5	17 11½	...	6 14	7 4½	...	9 2½	9 2	...	18 14	18 13½	...	16 0	15 4	16	...	...	...
Disa	20 0	19 4	18 14½	...	...	...	7 0	7 0	7 0	9 8	9 8	7 12	28 9	26 8	21 10½	32 9	31 4	28	...	...	...
Nimach	13 12	13 12	...	18 0	18 0	...	...	...	...	8 8	8 8	...	16 8	16 8	...	15 0	15 0	16	...	...	...
Nasirabad	...	16 3½	...	...	22 10½	...	...	7 0	...	...	8 0	...	...	21 12½	...	...	19 7	19	...	...	...
Rajkot	16 0	14 4	...	...	...	...	5 0	5 0	...	8 0	8 4	...	19 0	17 0	0 ...	...	...	...	...	...	...
Upper Sind Frontier	21 8	21 8	18 8	23 0	23 0	15 0	10 0	10 0	11 0	13 8	13 8	17 0	27 0	27 0	24 11	20 0	20 0	23	...	...	...
Karachi	13 10	13 10	13 5	26 0	26 0	19 0	8 0	8 0	8 0	10 0	10 0	10 0	17 0	16 0	22 0	18 0	17 0	23	...	...	...
Haidarabad	No return received			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shikarpur	16 0	16 0	16 0	21 8	21 8	21 4	8 0	9 0	10 0	13 4	13 4	14 0	20 0	20 0	20 0	22 0	22 13	14	...	...	...
Thur and Parkur	20 8	20 8	14 8	...	...	...	8 0	8 0	...	10 0	10 0	9 0	30 0	30 0	...	19 0	19 0	0	...	...	...
Western Districts.																					
Burdwan	17 4	17 8	13 0	18 8	18 8	16 0	18 0	16 8	12 0	20 8	17 8	13 4	...	...	...	...	...	...	...	...	...
Bancoorah	20 0	17 12	13 8	22 8	22 8	22 0	16 0	16 0	11 8	18 0	17 8	13 2	...	...	...	...	...	...	...	...	...
Beerbhoom	20 8	21 0	12 0	24 0	20 0	15 0	19 0	16 8	9 8	25 0	20 0	11 4	...	...	...	...	...	...	...	...	...
Midnapore	12 0	12 0	12 0	...	...	...	13 0	13 0	12 0	16 0	16 0	14 0	...	...	...	...	...	...	...	...	...
Hooghly	16 0	15 0	12 0	26 0 to 39 0	25 0 to 32 0	16 0 to 19 0	9 0	9 0	8 0 to 8 8	17 0	17 8 to 18 0	11 0 to 11 8	...	...	...	...	...	...	...	...	...
Howrah	16 0	17 0	12 8	...	...	...	12 8	12 8	10 0	16 0	15 0	12 8	...	...	...	...	...	...	...	...	...
Central Districts.																					
Calcutta	16 12	16 0	13 0	30 0	30 0	16 0	9 8	9 0	7 0	13 8	13 0	11 0	23 0	22 0	14 0	...	...	...	...	...	...
24-Pergunnahs	17 8 to 20 0	16 0 to 19 12	10 8 to 11 10	25 0 to 32 0	22 8 to 26 8	16 0	8 0	8 0	8 4	13 4	13 12	11 0	...	...	...	...	...	...	...	...	...
Nuddea	18 5	18 5	12 13	35 8	32 0	...	13 5	13 5	10 0	16 13½	16 13½	10 7	...	...	...	...	...	...	...	...	...
Jessore	18 4	18 0	13 5	...	...	...	13 5	13 0	11 0	21 5	20 0	13 5	...	...	...	...	...	...	...	...	...
Moorshedabad	21 0	20 0	14 0	38 0 to 40 0	38 0 to 40 0	16 0	14 0	13 0	8 4	19 0	20 0	10 0	...	...	...	31 0	31 4	32	...	...	...

a In the interior prices range as follow :—Wheat 14 to 21 seers, barley 28 to 32 seers, best rice 12 to 19-14 seers, common rice 16 to 22 seers, and gram 22 to 25 seers per rupee.
b In the interior prices range as follow :—Wheat 17 to 19 seers, barley 18 to 40 seers, best rice 13 to 17 seers, common rice 16 to 18 seers, maize 19 to 32 seers, and gram seers, per rupee.
c In the interior prices range as follow :—Wheat 19 to 24 seers, barley 24 seers, best rice 16 to 34 seers, common rice 18 to 26 seers, and gram 21 to 24-4 seers, per rupee.
d In the interior prices range as follow :—Wheat 16 to 20 seers, best rice 9 to 16 seers, common rice 16 to 20+ seers, and gram 16 to 24 seers, per rupee.

INDIA.

RICULTURE, AND COMMERCE.

for the 2nd half of September 1875.

EERS OF 80 TOLAHS.

Millets, Ragi, &c.				Gram.				Firewood.				Salt.				DISTRICTS.	PROVINCES.	REMARKS.
Past fortnight.		Corresponding fortnight of 1874.		Present fortnight.		Past fortnight.		Corresponding fortnight of 1874.		Present fortnight.		Past fortnight.		Corresponding fortnight of 1874.				
S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.			
...		...		...		...		...		...		...		...		Ganjam ...	MADRAS.	
26	3	25	2	23	4	24	6	37	4	145	8	145	8	97	2	Vizagapatam ...		
36	4	30	9	26	2	27	3	43	0	243	0	243	0	161	3	Godavery ...		
32	3	35	3	22	2	21	8	32	5	129	3	129	3	129	3	Kistna ...		
28	2	28	2	21	5	22	0	24	4	65	3	65	3	57	6	Nellore ...		
27	7	27	0	24	9	24	9	21	5	243	0	243	0	243	0	Cuddapah ...		
25	2	37	8	26	3	25	8	21	3	97	2	97	2	97	2	Bellary ...		
20	6	25	8	24	0	23	2	27	7	204	1	202	2	170	6	Kurnool ...		
23	3	24	3	19	0	18	6	20	9	93	5	93	5	91	7	Madras ...		
24	0	23	3	18	7	19	5	21	8	97	2	102	1	102	1	Chingleput ...		
28	2	28	2	20	7	22	6	16	1	187	1	187	1	187	1	North Arcot ...		
25	4	27	0	21	5	20	6	19	2	235	7	235	7	234	5	South Arcot ...		
30	2	27	2	18	4	21	9	18	4	194	4	194	4	194	4	Tanjore ...		
27	5	21	0	23	1	23	1	18	5	157	9	157	9	157	9	Trichinopoly ...		
35	6	22	5	23	1	24	9	16	9	133	2	132	2	125	4	Madura ...		
20	5	16	4	15	6	15	6	12	5	76	8	76	8	66	6	Tinnevelly ...		
20	6	22	0	25	5	25	5	17	0	121	5	121	5	121	5	Coimbatore ...		
15	8	18	0	13	3	14	9	13	3	121	5	121	5	121	5	Nilgiris ...		
...		...		...		...		...		...		...		No	return	received. Salem ...		
21	1	21	1	17	2	17	2	14	1	85	0	85	0	72	9	14	0	14	0	16	0	South Canara ...		
20	4	18	2	21	0	21	0	16	8	97	2	97	2	97	2	14	4	14	4	17	1	Malabar ...		
14	1	12	15	18	10	18	10	14	10	68	4	68	4	75	1	14	2	14	2	14	2	Bombay ...	BOMBAY.	
...		...		19	12	21	8	18	8	80	0	80	0	100	0	18	0	18	0	18	0	Ahmedabad ...		
...		...		11	7	16	13	14	9	80	0	80	0	80	0	16	13	16	13	16	14	Kaira ...		
...		...		14	1	14	13	12	5	92	8	92	8	101	12	14	13	14	13	13	6	Surat ...		
...		...		18	0	18	0	14	0	100	0	100	0	100	0	16	0	16	0	16	0	Broach ...		
17	0	17	0	15	0	15	0	12	0	64	0	64	0	64	0	14	0	14	0	15	0	Tanna ...		
...		...		15	3	15	3	13	0	130	0	130	0	112	0	15	3	15	3	15	3	Kolaba ...		
...		...		17	14	17	14	17	8	150	0	150	0	150	0	13	14	13	14	12	11	Khandesh (Dhulia) ...		
27	9	31	14	18	7	19	2	16	5	106	10	106	10	106	12	12	12	12	12	14	8	Nasik ...		
...		...		25	10½	24	4½	23	10	124	4½	106	10	100	0	12	7½	12	11½	13	14	Ahmadnagar ...		
...		...		19	9	19	9	18	0	76	0	76	0	80	0	13	6	13	6	13	9	Poona ...		
...		...		22	13	23	12	16	0	100	0	120	0	100	0	13	0	13	8	13	8	Sholapur ...		
...		...		19	8	18	8	14	0	140	0	140	0	60	0	12	0	11	13	13	0	Kaladgi ...		
...		37	6	20	13	20	13	18	3	129	7	129	7	145	10	13	1	13	1	13	13	Satara ...		
27	0	27	8	18	8	18	8	14	0	145	0	145	0	150	0	15	0	15	0	16	0	Belgaum ...		
28	0	33	10	18	12	19	3	14	1	92	12	92	12	213	0	13	0	13	0	13	0	Kanara (Karwar) ...		
23	6	26	0	15	0	15	0	12	5	11 Bdls.		10 Bdls.		10 Bdls.		18	4	18	4	13	1	Ratnagiri ...		
...		24	0	13	0	...		12	0	213	0	213	0	213	0	13	0	13	0	13	0	Panch Mahals (Godhra) ...		
26	0	36	0	30	0	30	0	21	0	200	0	200	0	200	0	13	0	13	0	14	0	Aden ...		
...		...		...		9	5	...		...		60	4	...		...		32	0	...		Asirgarh ...		
...		...		23	0	23	0	...		160	0	160	0	...		12	0	12	0	...		Baroda ...		
...		...		14	14	15	7	...		91	8	91	8	...		15	7½	15	7	...		Diaa ...		
...		...		22	12	23	8	20	10	150	0	150	0	150	0	32	0	32	0	32	0	Nimach ...		
...		...		17	0	17	0	...		140	0	140	0	...		30	0	30	0	...		Nasirabad ...		
...		...		...		21	2½	...		...		100	0	...		...		45	0	...		Rajkot ...		
...		...		14	0	12	12	...		40	0	40	0	...		60	0	60	0	...		Upper Sind Frontier ...		
16	0	16	0	23	0	23	0	18	0	120	0	120	0	120	0	16	0	16	0	14	8	Karachi ...		
9	0	9	0	18	0	18	0	17	0	112	0	108	0	126	0	61	0	63	0	60	0	Haidarabad ...		
...		...		...		...		...		...		...		...		No	return	received				Shikarpur ...		
27	0	27	0	17	4	17	4	18	0	300	0	320	0	240	0	32	0	32	0	29	0	Thar and Parkur ...		
...		...		...		...		...		120	0	120	0	120	0	32	0	32	0	32	0			
																						Western Districts.	BENGAL.	
...		...		21	8	21	12	16	0	180	0	180	0	100	0	9	4	9	4	8	8	Burdwan ...		
...		...		20	0	19	8	15	8	320	0	320	0	440	0	8	10	8	10	8	2	Bancoorah ...		
...		...		21	0	21	0	14	0	200	0	200	0	240	0	8	4	8	4	8	0	Beerbhoom ...		
...		...		16	0	16	0	14	0	180	0	180	0	180	0	9	0	9	0	8	4	Midnapore ...		
...		...		23	0	20 0 to 23 0		15	0	120	0	120	0	120	0	9	0	9	0	8	0	Hooghly ...		
...		...		21	0	21	0	15	0	120	0	120	0	120	0	9	8	9	8	9	0	Howrah ...		
																						Central Districts.		
...		...		19	0	22	0	16	0	120	0	120	0	100	0	8	0	8	0	8	0	Calcutta ...		
...		...		20	0	18	12	13	5	100	0	100	0	120	0	9	0	9	0	9	0	24-Pergunnahs ...		
...		...		29	0	26	5	15	4	100	0	100	0	100	0	9	2½	9	2½	8	10	Nuddea ...		
...		...		22	12	21	0	14	8	140	0	160	0	160	0	8	0	8	0	8	0	Jessore ...		
...		...		30	0	28	0	16	0	120	0	120	0	120	0	8	8	8	8	8	8	Moorshedabad ...		

* In the interior only.
† In the interior prices range as follow :—Best rice 6-12 to 9 seers, common rice 13 to 20 seers, and gram 20 to 24-8 seers, per rupee.
‡ In the interior prices range as follow :—Wheat 6 to 20 seers, best rice 13-4 to 16 seers, common rice 16 to 22-8 seers, and gram 11 to 23 seers, per rupee.
§ In the interior prices range as follow :—Wheat 18 to 23 seers, best rice 12 to 22 seers, common rice 19 to 27 seers, and gram 22 to 28 seers, per rupee.

Prices Current of Food-grains throu

QUANTITIES PER R

PROVINCES.	DISTRICTS.	Wheat.			Barley.			Rice (best sort).			Rice (common).			Great Millet (Cholum, Jowar) *Holcus Sorghum.*			Bulrush Mi (Cumbu, Ba *Penicillaria S*	
		Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.
BENGAL—*continued.*	*Central Districts*—contd.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
	Dinagepore ...	18 8	18 8	12 12	20 0	18 8	11 0	20 0	19 0	10 0	26 0	24 0	19 0 to 20 0	...	...	...	...	...
	Maldah ...	23 0	23 0	15 8	55 0	50 0	18 0	22 0	22 0	11 8	23 8	23 0	18 0 to 20 0	...	...	...	30 0	30 0
	Rajshahye ...	18 12 to 21 0	18 0	13 8 to 14 4	34 0	33 12	...	15 0 to 18 12	15 0 to 16 0	8 4 to 12 0	22 8 to 26 8	19 0 to 26 4	15 0 to 16 0	...	...	...	...	...
	Rungpore ...	19 2	18 0	14 0	...	...	...	11 4	11 4	7 15	22 8	20 0	18 0	...	...	...	...	...
	Bograh ...	17 4	15 0	10 8	...	...	...	19 8	10 8	6 12	25 8	24 0	16 8	...	...	...	...	...
	Pubna ...	20 0	20 0	14 4	...	...	...	12 0	12 0	7 8	22 8	22 8	13 8	...	...	...	...	...
	Darjeeling ...	8 0	8 0	6 0	4 0	4 0	7 0	4 0	4 0	4 8	13 0	13 0	8 0	...	...	...	...	...
	Jalpaigiri ...	...	12 3	...	...	...	...	16 0	14 0	8 0	20 0	25 0	13 0	...	...	...	...	...
	Eastern Districts.																	
	Dacca ...	14 0	15 8	12 8	32 0	32 0	16 0	16 0	17 0	10 8	20 0	20 0	13 0 to 14 0	...	...	...	...	...
	Furreedpore ...	20 0	20 0	14 0	25 0	25 0	...	8 0	8 0	6 0	18 0	18 0	14 0	...	...	...	...	...
	Backergunge ...	...	...	...	...	...	...	14 8	14 8	11 8	17 0	17 0	13 8	...	...	...	...	...
	Mymensing ...	12 12	12 8	10 12	...	...	...	15 8	16 0	8 0	19 0	19 0	12 0	...	...	...	...	...
	Tipperah ...	16 0	16 0	11 0	...	...	...	13 0	12 0	9 0	17 8	16 0	12 8	...	...	...	...	...
	Chittagong ...	11 0	12 0	10 0	...	...	...	13 0	14 0	11 0	18 0	18 0	16 0	...	...	...	...	...
	Noakhally ...	...	...	...	...	...	...	16 0	12 0	10 8	18 0	16 0	12 0	...	...	...	...	...
	Chittagong Hill Tracts ...	...	...	...	...	...	...	13 5	13 5	9 6	14 8	14 8	10 0	...	...	...	...	...
	Hill Tipperah ...	8 6	8 0	8 0	...	...	...	13 3	13 3	8 8	16 0	16 0	13 3	...	...	...	...	...
	Behar.																	
	Patna ...	27 0	25 0	17 0	38 0	35 0	20 8	11 8	11 0	12 0	22 0	22 0	14 0	34 0	30 0	21 0	...	...
	Gya ...	25 8	25 8	13 0	39 0	36 8	16 0	11 8	11 8	8 8	23 8	23 0	12 8	...	...	...	...	...
	Shahabad ...	20 0	19 0	14 0	33 0	30 0	18 0	16 8	15 8	12 0	18 0	18 0	14 0	23 0 to 30 0	23 0 to 30 0	18 8	23 0	22 0
	Durbhunga ...	19 4	19 4	12 0	30 12	30 12	30 0	16 8	16 8	15 0	19 12	17 9	17 0	...	...	...	...	...
	Mozufferpore ...	21 0	19 0	13 8	32 8	36 4	18 0	9 0	10 0	6 0	15 0	16 0	14 0	...	...	...	...	...
	Sarun ...	23 0	21 0	15 0	40 0	36 0	19 8	9 8	9 8	7 4	22 0	21 0	13 8	...	...	...	...	...
	Chumparun ...	23 0	22 0	11 8	34 0	34 0	18 8	8 0	8 0	8 0	22 8	19 0	18 8	...	...	...	...	...
	Monghyr ...	21 0	18 9	16 8	36 7	33 6	23 1	12 6	14 7	9 4	16 8	17 3	13 6	...	...	...	...	...
	Bhaugulpore ...	18 15	18 15	15 12	37 14	40 6	24 0	16 7	17 11	10 11	17 11	20 3	12 10	...	...	...	...	...
	Purneah ...	25 0	25 0	15 0	...	...	...	16 0	15 0	12 0	20 0	20 0	17 0	...	...	...	40 0	...
	Sonthal Pergunnahs ...	18 0	18 0	13 0	25 0 to 50 0	40 0 to 60 0	17 0 to 18 0	16 0	16 0	9 0	20 0	19 0	10 0	...	...	...	40 0 to 60 0	40 0
	Orissa.																	
	Cuttack ...	18 6	18 6	17 1	...	...	...	14 7	14 7	7 18	6 21	0 19	11 23	10	...	...	...	...
	Pooree ...	15 12	15 12	13 0	...	...	...	14 7	15 12	17 1	18 6	24 15	23 10	...	...	...	...	...
	Balasore ...	16 0	17 0	10 0	...	...	...	16 0	16 0	16 0	28 0	26 0	21 0	...	...	...	...	...
	Chota Nagpore—South-West Frontier Agency.																	
	Hazaribagh ...	19 0	20 0	11 0	24 0	...	...	12 0	12 0	9 0	20 0	19 0	15 0	...	...	...	...	...
	Lohardugga ...	19 8	19 0	12 0	...	...	...	18 0	18 0	18 0	22 0	22 0	22 0	...	...	...	...	...
	Singbhoom ...	18 0	18 0	11 0	...	...	...	14 0	14 0	12 0	24 0	24 0	22 0	...	...	...	...	...
	Manbhoom ...	16 0	16 0	13 0	16 0	16 0	16 0	14 0	14 0	9 8	20 0	20 0	14 0	...	...	...	16 0	16 0
ASSAM.	Sylhet ...	15 0	13 0	10 0	14 0	13 0	9 0	14 0	12 4	9 6	17 8	14 0	12 4	...	...	...	...	...
	Cachar ...	11 6	12 4	8 14	16 0	...	...	11 6	11 6	8 0	16 13	14 8	10 0	...	...	...	...	...
	Goalpara ...	27 8	22 0	13 0	...	...	...	16 0	14 0	9 0	30 0	22 0	15 0	...	...	...	...	...
	Garo Hills ...	...	...	...	...	...	...	8 0	8 0	7 0	14 0	14 0	10 0	...	...	...	...	...
	Kámrúp ...	20 0	20 0	13 0	...	...	...	12 0	12 0	10 0	16 0	16 0	13 0	...	...	...	...	...
	Darrang ...	8 0	8 0	8 0	...	...	...	8 0	8 0	8 0	11 8	11 8	11 0	...	...	...	...	...
	Nowgong ...	...	...	...	...	...	...	9 0	9 0	6 4	11 0	11 0	10 8	...	...	...	...	...
	Sibsagar ...	...	...	...	...	...	...	6 8	10 0	5 8	12 0	12 0	11 4	...	...	...	...	...
	Lakhimpur ...	8 0	8 0	8 0	10 0	8 0	9 0	6 0	6 0	6 0	12 0	12 0	9 0	...	...	...	...	...
	Khási & Jaintia Hills ...	...	...	...	...	...	...	8 0	7 0	6 0	10 0	9 0	7 0	...	...	...	...	...
	Nága Hills ...	...	...	...	...	...	...	4 0	4 0	4 0	8 0	8 0	6 0	...	...	...	...	...
N.-W. PROVINCES.	Dehra Dún ...	20 0	20 0	19 4	34 0	34 0	28 0	12 8	12 8	12 0	16 0	16 0	15 0	20 0	20 0	...	24 0	24 0
	Saharanpur ...	22 10	22 10	23 11	34 9	34 13	31 4	9 11	9 11	8 10	13 7	13 10	12 6	29 2	29 2	32 5	25 14	25 14
	Muzaffarnagar ...	24 3	23 2	23 10	38 8	38 8	36 5	6 1	6 1	6 1	14 5	14 5	12 2	30 13	30 13	22 0	17 10	17 10
	Meerut ...	22 14	21 3	22 0½	30 12	29 0	28 10½	6 8	6 8	7 0	15 8	15 8	12 0	27 3	26 0	25 0	25 0	25 0
	Bulandshahr ...	21 8	21 8	22 0	29 0	29 0	32 0	8 0	8 0	8 0	15 0	14 0	12 0	24 0	24 0	18 0	27 0	27 0
	Aligarh ...	24 0	24 0	21 8	33 0	33 0	28 0	7 0	7 0	6 8	17 0	16 8	14 0	21 0	21 0	20 0	19 8	19 8
	Kumaun ...	13 8	13 8	12 8	17 0	17 0	16 0	9 0	9 0	8 0	10 8	10 8	9 0	...	...	...	...	...

i In the interior prices range as follow :—Wheat 22-8 to 27 seers, best rice 8 to 20 seers, common rice 20 to 30 seers, and gram 9 to 20 seers, per rupee.
j In the interior prices range as follow :—Wheat 5-8 to 13-8 seers, best rice 4 to 15 seers, common rice 10 to 24 seers, lesser millet 16 seers, maize 29 to 40 seers, and gram [illegible] seers, per rupee.
k In the interior prices range as follow :—Best rice 10 to 20 seers, common rice 16 to 28 seers, and gram 8 to 14 seers, per rupee.
l In the interior prices range as follow :—Wheat 16 seers, barley 40 seers, best rice 9 seers, common rice 19 to 19·8 seers, and gram 16 seers, per rupee.
m In the interior prices range as follow :—Best rice 14 to 17 seers, common rice 18 to 19 seers, paddy 30 to 32 seers, and gram 10 to 16 seers, per rupee.
n In the interior prices range as follow :—Wheat 17·6 to 20 seers, best rice 11 to 16 seers, common rice 17-12 to 23 seers, and gram 8·8 to 17-12 seers, per rupee.
o In the interior prices range as follow :—Best rice 16 to 19 seers, and common rice 18 to 23 seers, per rupee.
p In the interior prices range as follow :—Best rice 16 to 20 seers, and common rice 17 to 21·8 seers, per rupee.
q In the interior prices range as follow :—Wheat 22·8 to 26·8 seers, barley 35 to 42 seers, best rice 19·8 seers, common rice 20·8 to 27 seers, lesser millet 35 to 47·8 seers, maize [illegible] seers, and gram 26 to 31·4 seers, per rupee.
r In the interior prices range as follow :—Wheat 20·8 to 26 seers, barley 30 to 47·8 seers, best rice 9 to 14 seers, common rice 19·8 to 22 seers, lesser millet 44 to 64 seers, maize [illegible] seers, and gram 30 to 32 seers, per rupee.

... for the 2nd half of September 1875 —continued.

SEERS OF 80 TOLAHS.

...-Millets, Ragi, &c. ...arm, Verago, Sawee, ...ent, Cumboo, Murh-...(Nagree), Panecum, ...ennel, &c.			Gram.			Firewood.			Salt.			Districts.	Provinces.	Remarks.
Past fortnight.	Corresponding fortnight of 1874.		Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.			
S. Ch.	S. Ch.		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.			
...	...		24 0	21 0	13 8	180 0	180 0	170 0	8 0	8 0	7 12	*Central Districts*—contd. Dinagepore ...	Bengal—*continued.*	
...	...		25 0	25 0	16 0	150 0	150 0	120 0	8 4	8 4	8 0	Maldah ...		
...	...		21 0 to 33 12	15 0 to 25 8	15 0 to 16 8	240 0	200 0	240 0	8 5	8 2½	7 11½	Rajshahye ...		
48 0	...		14 1	12 12	15 0	107 0	107 0	107 0	7 8	7 8	7 8	Rungpore ...		
...	...		17 4	15 12	11 4	67 8	67 8	67 8	7 10	8 4	7 8	Bograh ...		
...	...		22 8	22 8	15 0	200 0	200 0	200 0	9 0	9 0	8 4	Pubna ...		
8 0	8 0		8 0	8 0	7 0	200 0	200 0	200 0	4 0	4 0	4 0	Darjeeling ...		
...	...		13 0	13 3	9 6	...	160 0	160 0	7 0	6 6	6 6	Jalpaiguri ...		
												Eastern Districts.		
...	...		20 0	20 0	13 8	100 0	100 0	100 0	8 14	8 14	8 8	Dacca ...		
...	...		15 0	15 0	13 0	...	...	...	8 0	8 0	7 8	Furreedpore ...		
...	...		19 0	19 0	13 8	100 0	100 0	120 0	8 8	8 8	8 0	Backergunge ...		
...	...		17 0	18 0	11 0	...	...	...	8 8	8 8	8 0	Mymensing ...		
...	...		16 0	16 0	12 0	...	...	...	8 12	8 12	8 0	Tipperah ...		
...	...		16 0	16 0	12 0	140 0	120 0	120 0	8 12	8 12	7 4	Chittagong ...		
...	...		16 0	12 0	10 0	280 0	280 0	280 0	8 0	8 0	8 0	Noakhally ...		
...	...		...	...	...	240 0	240 0	280 0	7 4	7 4	6 6	Chittagong Hill Tracts ...		
...	...		10 6	10 6	8 4	...	...	...	8 0	8 0	8 0	Hill Tipperah ...		
												Behar.		
...	...		30 0	30 0	20 0	150 0	140 0	150 0	8 0	8 0	7 8	Patna ...		
43 8	22 8		27 0	26 8	15 0	160 0	180 0	180 0	8 4	8 4	7 4	Gya ...		
...	...		32 0	30 0	19 0	120 0	120 0	120 0	8 4	8 4	8 0	Shahabad ...		
26 12	28 0		26 4	26 4	21 0	176 0	120 0	200 0	7 6	7 2	6 8	Durbhunga ...		
35 0	21 4		24 0	25 0	18 0	140 0	140 0	140 0	7 4	7 4	7 0	Mozufferpore ...		
36 0	19 8		31 0	31 0	18 8	160 0	160 0	160 0	8 8	8 4	7 4	Sarun ...		
32 0	32 0		26 0	25 0	18 0	...	...	...	7 8	7 8	7 8	Chumparun ...		
...	...		28 3	28 3	21 0	126 0	147 0	147 0	8 4	8 4	7 8	Monghyr ...		
40 0 to 50 0	25 0 to 26 0		27 12	27 12	19 9	151 8	151 8	164 2	8 3	8 3	7 14	Bhaugulpore ...		
...	...		22 0	23 0	16 0	160 0	160 0	160 0	7 8	8 0	7 0	Purneah ...		
...	...		19 0	19 0	17 0	320 0	320 0	320 0	8 0	7 8	7 8	Sonthal Pergunnahs ...		
												Orissa.		
19 11	21 0		15 0	16 6	22 5	200 0	200 0	200 0	12 8	13 0	0 10	Cuttack ...		
...	...		13 2	13 2	21 0	100 0	100 0	100 0	12 0	12 0	12 0	Pooree ...		
...	...		13 0	13 0	10 8	140 0	140 0	280 0	9 0	8 8	8 0	Balasore ...		
												Chota Nagpore—South-West Frontier Agency.		
42 0	40 0		16 0	21 0	15 0	240 0	240 0	200 0	7 8	7 8	7 0	Hazáribágh ...		
37 0	36 0		18 8	20 0	17 8	160 0	180 0	160 0	6 8	6 8	6 8	Lohardugga ...		
...	...		16 0	16 0	12 0	320 0	320 0	320 0	6 0	6 0	6 0	Singbhoom ...		
...	...		16 0	16 0	13 0	230 0	280 0	240 0	7 8	7 8	7 8	Maunbhoom ...		
...	...		18 0	16 0	12 0	107 0	107 0	107 0	8 12	8 12	8 0	Sylhet ...	Assam.	
...	...		14 8	14 8	11 6	64 0	64 0	64 0	8 0	7 9	7 9	Cachar ...		
...	...		15 0	14 0	12 8	140 0	110 0	128 0	8 8	8 8	8 0	Goálpárá ...		
...	...		9 0	9 0	8 0	...	...	...	5 5	5 5	5 4	Gáro Hills ...		
...	...		13 0	13 0	12 0	...	...	...	8 0	8 0	8 0	Kámrúp ...		
...	...		6 6	6 6	5 2	160 0	160 0	160 0	5 8	5 8	6 8	Darrang ...		
...	...		8 0	8 0	6 0	...	...	...	7 8	7 8	6 8	Nowgong ...		
...	...		10 0	9 0	8 0	120 0	120 0	120 0	6 8	6 0	5 8	Sibságar ...		
...	...		10 0	11 8	8 0	160 0	160 0	160 0	6 0	6 0	6 0	Lakhimpur ...		
...	...		6 10	6 8	9 0	120 0	120 0	160 0	4 0	4 0	4 0	Khási and Jaintiá Hills ...		
...	...		4 0	4 0	5 0	50 0	50 0	40 0	4 0	4 0	4 0	Nága Hills ...		
...	...		21 0	21 0	22 6	160 0	160 0	160 0	9 0	9 0	9 0	Dehra Dún ...	N.-W. Provinces.	
...	...		26 15	28 0	32 5	129 0	129 0	106 0	8 5	8 5	7 15	Saháranpur ...		
...	...		26 3	26 3	21 14	132 0	132 0	110 0	...	...	...	Muzaffarnagar ...		
...	...		27 3	25 12	27 10½	110 0	110 0	105 0	9 8	9 8	9 8	Meerut ...		
...	...		27 0	27 4	28 0	120 0	120 0	120 0	9 0	10 4	9 8	Bulandshahr ...		
...	...		31 0	30 0	28 0	140 0	140 0	120 0	10 4	10 4	9 8	Aligarh ...		
...	...		16 0	16 0	13 0	160 0	160 0	168 0	6 0	6 0	5 8	Kumaun ...		

r In the interior prices range as follow :—Wheat 17 to 25 seers, barley 25-4 to 40 seers, best rice 9 to 18 seers, common rice 15-8 to 23 seers, lesser millet 21 to 40 seers, maize 31 to 37-8 seers, and gram 20 to 30 seers, per rupee.

s In the interior prices range as follow :—Wheat 20 to 25 seers, barley 25 to 34 seers, best rice 13 to 17 seers, common rice 17 to 27-8 seers, lesser millet 15 to 40 seers, maize 28 to 40 seers, and gram 21 to 25 seers, per rupee.

t In the interior prices range as follow :—Wheat 22-8 to 24 seers, barley 26 to 32 seers, best rice 16 to 19 seers, common rice 23 to 25 seers, maize 60 seers, and gram 18 to 24 seers, per rupee.

u In the interior prices range as follow :—Wheat 18 to 25 seers, best rice 12 to 24 seers, common rice 18 to 28 seers, lesser millet 40 seers, maize 30 to 80 seers, and gram 16 to 30 seers, per rupee.

z In the interior prices range as follow :—Wheat 16 to 20 seers, best rice 16 to 20 seers, common rice 20 to 28 seers, and gram 15 to 18 seers, per rupee.

Prices Current of Food-Grains throu

QUANTITIES PER R

PROVINCES.	DISTRICTS.	Wheat.			Barley.			Rice (best sort).			Rice (common).			Great Millet (Cholum, Jowari, *Holcus sorghum*.			Bulrush M (Cumbu, *Pennisetum*	
		Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
N.-W. Provinces —*contd.*	Garhwál	22 8	22 8	21 0	22 0	22 0	25 0	9 0	9 0	8 0	15 0	15 0	15 0	...	...	...	...	...
	Bijnor	20 8	20 4	20 4	29 4	28 11	29 15	11 8	11 4	11 4	15 3	15 3	13 8	23 0	23 0	25 14	22 8	23
	Moradabad	22 3	22 13	18 12	32 14	32 14	26 4	8 12	8 12	8 2	17 8	17 8	15 0	25 0	25 0	15 0	25 0	25
	Budaun	24 9½	24 0	17 1½	33 0	31 12½	22 3	12 0	9 9½	9 9½	19 12½	16 12½	16 12½	14 6	12 0	14 12	18 0	18
	Bareilly	23 2	22 3	18 2	32 8	35 0	23 12	6 14	6 9	6 9	17 8	17 8	12 8	31 4	17 8	28 12	25 0	17
	Sháhjahánpur	26 6	26 0	19 8	39 8	37 8	26 8	8 0	8 2	8 0	23 12	19 8	19 0	...	...	...	...	...
	Tarái Pergunnahs	26 4	26 4	21 9	50 0	50 4	31 4	10 0	10 0	8 12	20 0	20 0	15 0	27 8	25 0	...	27 8	25
	Muttra	21 8	22 0	21 0	29 8	28 4	31 0	8 0	8 0	7 0	14 8	14 8	12 8	25 0	25 0	24 0	26 0	26
	Agra	21 3	21 0	17 7½	28 7½	26 9½	27 0½	6 0	6 0	6 0	11 8	11 8	9 8	25 10½	25 0	21 8	25 0	24
	Farukhabad	22 12	21 0	16 3	30 4	30 0	20 5	6 8	7 0	7 8	16 0	16 8	13 6	...	...	...	...	...
	Mainpuri	23 0	22 4	18 0	29 0	27 8	21 4	6 0	6 0	7 0	12 0	12 0	12 0	...	...	...	...	...
	Etáwah	21 8	20 0	17 0	24 8	24 8	23 0	6 8	6 8	6 8	12 8	12 8	14 8	22 0	22 0	19 0	21 0	21
	Etah	25 0	23 12	17 10	33 0	30 0	23 0	8 0	8 0	8 0	16 0	16 0	16 0	...	...	...	...	...
	Jalaun	20 8	20 0	18 0	22 0	22 0	20 0	8 0	8 0	8 0	14 0	14 0	10 0	23 0	23 0	16 8	22 0	22
	Jhánsi	19 0	18 12	19 7	26 6	25 8	25 0	8 0	8 0	9 0	14 0	14 0	12 8	22 14	22 0	18 14	20 6	20
	Lalitpur	19 4	19 4	21 0	28 0	28 0	28 8	11 0	11 0	10 8	13 0	13 0	12 8	25 0	25 0	25 0	...	...
	Cawnpore	25 0	24 8	17 0	33 0	32 0	22 0	11 0	10 0	9 0	17 0	17 0	13 0	...	...	...	23 0	23
	Fatehpur	23 4	23 0	18 0	29 12	29 0	21 8	9 0	9 0	9 8	22 0	28 0	21 0	...	...	...	...	...
	Bánda	22 4	21 8	16 12	24 0	23 8	18 12	8 12	8 12	12 4	18 0	17 0	13 0	...	...	...	26 8	26
	Allahabad	19 0	19 8	15 12	27 8	28 0	20 0	7 4	7 8	7 8	16 8	17 0	13 0	...	...	...	...	...
	Hamírpur	20 8	20 8	16 0	24 0	24 12	19 6	12 8	11 0	7 0	17 0	17 0	14 0	23 8	23 0	17 8	22 8	20
	Jaunpur	26 2	26 2	17 8	38 2	38 0	23 10	7 1	7 1	7 1	25 9	19 12	11 5	...	...	...	21 3	21
	Gorakhpur	29 12	29 12	14 14	49 0	48 2	19 4	16 10	16 10	10 8	23 10	22 12	17 8	49 0	49 9	28 0	...	...
	Basti	28 12	29 6	15 0	42 8	42 8	18 12	13 12	13 12	10 0	20 10	21 4	11 14	...	...	...	...	...
	Azamgarh	24 6	24 6	15 8	34 11	34 6	21 6	11 13	11 13	9 9	19 3	19 3	16 3	32 7	...	23 9	...	...
	Mirzapur	20 0	21 0	15 0	28 0	28 0	21 0	9 0	8 0	9 0	19 0	17 0	15 0	28 0	30 0	21 0	25 0	24
	Benares	22 0	21 8	15 4	30 7	29 6	19 15	10 8	8 6	8 6	16 12	15 12	10 8	...	...	...	23 1	15
	Ghazipur	20 9½	20 9½	14 2½	28 5	28 5	19 5	7 1½	7 1½	6 7	18 0	18 0	11 9½	25 12	25 12	19 5	23 3	23
Panjab.	Delhi	22 0	21 0	21 0	30 0	28 0	31 0	...	...	...	11 0	11 0	9 0	26 0	26 0	26 0	24 0	23
	Gúrgáon	20 5	19 12	21 5	30 0	28 0	32 8	...	...	...	9 5	9 0	8 3	25 0	24 8	29 0	26 8	25
	Karnal	23 0	21 0	23 8	30 8	31 0	22 8	...	...	...	16 0	12 0	12 0	22 0	23 0	28 0	16 0	16
	Hissár	23 0	21 8	22 0	34 0	32 0	30 0	...	...	...	12 0	12 0	12 0	34 0	30 0	28 0	32 0	30
	Rohtak	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sirsa	23 8	22 0	22 4	39 0	35 0	35 0	...	...	...	14 0	14 0	12 0	45 0	36 0	35 0	38 0	36
	Umballa	24 8	24 0	25 8	32 0	32 0	30 0	...	...	...	12 0	12 0	11 0	29 0	29 0	29 0	16 0	16
	Ludhiána	25 0	25 8	29 0	34 8	37 0	41 0	...	...	...	11 8	11 8	10 0	37 0	35 0	36 0	24 0	24
	Simlá	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jullundur	24 0	24 0	29 0	36 0	36 0	48 0	...	...	...	10 0	10 0	10 0	32 0	32 0	40 0	30 0	30
	Hushiárpúr	25 0	24 8	29 0	40 0	35 0	40 0	...	...	...	10 0	10 0	10 0	...	...	...	16 0	16
	Kángra	18 0	19 0	22 0	27 0	27 0	30 0	...	...	...	12 0	12 0	13 0	...	...	...	...	...
	Amritsar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Siálkot	22 0	21 0	24 0	32 0	32 0	39 6	...	...	...	12 0	12 0	11 8	30 0	30 0	21 0	27 0	27
	Gurdáspúr	20 8	21 0	28 0	24 0	28 0	40 0	...	...	...	12 0	12 0	14 0	24 0	24 0	30 0	18 0	18
	Ferozepore	22 0	22 8	24 0	34 0	32 0	40 0	...	...	...	13 0	13 0	10 8	31 0	31 0	30 0	20 0	20
	Lahore	25 0	24 0	26 8	40 0	36 0	40 0	...	...	...	13 0	13 0	12 0	37 0	34 0	36 0	24 0	24
	Ferozepore	21 12	21 0	24 0	35 0	35 0	32 0	...	...	...	14 0	14 0	16 0	30 0	30 0	30 0	23 0	20
	Gujránwála	28 0	28 0	30 0	33 0	33 0	38 0	...	...	...	12 0	12 0	12 0	30 0	30 0	30 0	42 0	38
	Ráwalpindi	28 0	28 8	27 0	32 0	32 8	40 0	...	...	...	13 0	13 0	8 0	32 0	32 0	30 0	35 0	37
	Jhelum	26 0	26 0	26 0	38 0	38 0	40 0	...	...	...	14 0	14 0	10 0	40 0	38 0	24 0	38 0	38
	Gujrát	24 0	23 8	26 8	35 0	35 0	46 0	...	...	...	9 0	9 0	9 0	32 0	32 0	28 0	34 0	34
	Shahpúr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Moultan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jhang	19 0	18 8	23 8	24 0	25 0	40 0	...	...	...	9 8	10 0	8 0	24 0	20 0	20 0	24 0	25
	Montgomery	19 8	19 0	20 12	25 0	25 0	28 0	...	...	...	...	...	...	...	...	...	...	...
	Muzaffargarh	20 0	21 0	18 8	28 0	28 0	27 0	...	...	...	8 0	12 0	8 0	20 0	20 0	20 0	23 0	23
	Dera Ismail Khán	30 0	27 8	26 4	38 12	38 2	40 0	...	...	...	6 4	6 4	7 8	42 8	42 8	40 0	37 8	38
	Dera Ghazi Khán	18 10	18 2	21 4	25 0	25 10	37 8	...	...	...	20 0	20 0	20 0	26 4	26 4	30 0	26 4	26
	Bannú	42 8	35 10	45 0	57 8	42 8	68 12	...	...	...	9 1	9 1	10 0	50 0	50 0	42 8	40 0	42
	Pesháwar	33 1	24 11	24 1	35 1	35 12	40 15	...	...	...	12 6	13 0	13 0	28 9	28 9	26 10	31 3	31
	Kohát	28 11	28 11	29 5	45 14	45 14	59 15	...	...	...	17 14	17 0	19 2	38 4	38 4	44 4	43 6	43
	Hazára	12 8	25 0	26 0	33 8	35 0	37 0	...	...	...	...	...	...	29 0	30 0	24 0	22 0	22
Oudh.	Lucknow	24 8	24 0	17 8	32 0	30 0	23 0	7 0	7 0	6 0	20 0	18 0	18 0	34 0	32 0	30 0	24 0	24
	Unáo	24 8	23 12	16 8	30 0	29 0	22 0	8 0	8 0	8 0	21 0	18 0	18 0	...	14 0	16 0	...	16
	Bára Banki	25 12	25 4	18 0	36 0	36 0	21 0	7 0	7 0	7 0	24 0	24 0	17 0	50 0	44 0	40 0	16 0	16
	Sítápur	30 0*	29 8	20 8	50 0	40 0	27 0	9 0	8 8	9 0	24 0	19 0	23 0*	...	...	23 0	...	...
	Hardui	25 5	24 0	18 1	36 9	34 0	26 4	6 9	6 9	6 9	15 0	15 0	16 14	...	...	...	25 0	29
	Kheri	31 0	31 8	22 1	60 0	60 0	35 0	8 0	8 0	8 0	16 0	26 12	19 0	...	...	...	...	...
	Fyzabad	25 8	25 9	17 4	34 0	34 1	24 0	10 0	14 1	10 0	19 10	18 13	13 0	40 0	34 15	24 14	19 0	18
	Bharaich	32 0	32 0	18 0	64 0	60 0	25 0	10 0	13 0	9 8	21 0	20 0	12 8	54 0	40 0	30 0	8 0	...
	Gonda	30 1	29 14	17 11	48 0	39 8	31 8	22 0	20 0	14 0	22 8	20 6	14 8	35 2	34 8	18 4	22 4	20
	Rái Bareli	27 0	26 12	19 8	36 0	36 0	24 0	22 8	22 8	14 0	24 0	24 0	20 0	...	...	...	...	...
	Sultánpur	26 0	26 0	18 8	41 0	41 0	25 8	10 0	10 0	8 8	26 0	26 0	20 0	...	...	22 0	...	...
	Pratábgarh	27 1*	26 13	18 9	39 12	39 4	26 1	15 0	15 0	17 8	26 5	25 0	22 6	...	...	...	...	...

for the 2nd half of September 1875 —continued.

SEERS OF 80 TOLAHS.

Millets, Bazi, (Kavaru, Veragu, Cheena, Coraloo, Navane, Nachni, Pan. Milectoo, &c.	Gram.			Firewood.			Salt.			Districts.	Provinces.	Remarks.
Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.			
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.			
...	...	10 0	9 0	10 0	240 0	240 0	200 0	6 4	6 4	6 0	Garhwál ...	N.-W. Provinces—*contd.*	
...	...	24 3	24 3	24 12	90 0	90 8	112 8	...	...	...	Bijnor ...		
...	...	29 6	29 1	21 14	100 0	100 0	100 0	10 2	10 2	9 6	Moradabad ...		
...	...	31 8	30 0	20 1½	192 0	192 0	...	9 0	9 0	8 4	Budaun ...		
...	...	28 12	30 0	20 10	112 8	125 0	100 0	9 6	9 6	9 1	Bareilly ...		
...	...	30 12	31 0	20 4	155 0	155 0	160 0	8 8	8 8	8 8	Sháhjahánpur ...		
...	...	26 4	27 8	20 0	160 0	160 0	160 0	8 12	8 12	8 7	Tarái Pergunnahs ...		
...	...	28 8	26 8	32 0	80 0	80 0	70 0	10 12	10 12	11 0	Muttra ...		
...	...	26 0	24 11½	27 7½	80 0	80 0	80 0	9 12	9 12	8 8	Agra ...		
...	...	28 2	27 8	19 10	165 0	158 2	158 2	8 14	8 14	8 6	Farukhabad ...		
...	...	26 0	24 8	22 8.	160 0	160 0	160 0	10 0	10 0	9 0	Mainpuri ...		
...	...	23 0	23 8	22 0	160 0	160 0	160 0	8 8	8 8	8 8	Etáwah ...		
...	...	27 0	26 8	22 2	140 0	140 0	140 0	9 8	9 8	9 4	Etah ...		
...	...	25 8	25 0	21 0	120 0	120 0	120 0	...	...	...	Jalaun ...		
...	...	20 9	20 4	22 14	160 0	160 0	160 0	9 0	9 0	8 12	Jhánsi ...		
...	...	21 8	22 0	26 0	240 0	240 0	240 0	6 12	6 12	6 12	Lalitpur ...		
...	...	32 0	30 0	21 0	160 0	150 0	140 0	10 0	9 8	9 8	Cawnpore ...		
...	...	29 8	30 0	24 8	160 0	160 0	160 0	8 4	8 4	8 8	Fatehpur ...		
...	...	28 8	28 0	22 12	163 0	163 0	163 0	11 4	11 4	10 8	Bánda ...		
...	...	26 12	27 0	22 0	140 0	100 0	110 0	8 4	8 0	8 4	Allahabad ...		
...	...	26 0	26 4	21 0	140 0	140 0	120 0	...	...	...	Hamirpur ...		
...	...	35 5	33 14	19 12	197 12	197 12	197 12	8 1	8 1	8 1	Jaunpur ...		
...	...	36 12	36 4	14 14	160 0	160 0	150 0	7 2	7 2	7 2	Gorakhpur ...		
...	...	31 14	31 14	15 0	140 0	140 0	150 0	7 3	7 3	6 14	Basti ...		
...	...	28 0	28 0	17 15	177 0	177 0	177 0	6 14	6 14	6 14	Azamgarh ...		
...	...	23 0	25 0	21 0	90 0	90 0	110 0	7 8	7 8	7 8	Mirzapur ...		
...	...	25 3	25 3	16 13	100 0	100 0	105 0	6 4	6 5	6 4	Benares ...		
...	...	28 5	28 5	19 5	180 4	180 4	154 8	7 6	7 6	7 1½	Ghazipur ...		
													References.
...	...	28 8	26 0	28 0	80 0	80 0	80 0	8 4	8 4	7 8	Delhi ...	Panjab.	*a.* Rice falling.
...	...	26 4	25 4	31 0	120 0	120 0	120 0	7 0	7 0	7 0	Gurgáon ...		*b.* Jowár and gram falling.
...	...	30 0	28 0	37 0	160 0	160 0	160 0	8 8	8 4	8 0	Karnál *a* ...		*c.* Barley, jowár and gram falling.
...	...	38 0	32 0	30 0	100 0	100 0	100 0	8 0	8 0	8 0	Hissár *b* ...		*d.* Barley falling.
...	...	...	...	...	...	...	...	...	...	...	Rohtak* ...		*e.* Barley rising.
...	...	38 0	34 0	37 0	160 0	160 0	160 0	40 0	40 0	38 0	Sirsa *c* ...		*f.* Bájra falling.
...	...	34 8	32 8	35 0	120 0	120 0	120 0	8 12	8 12	8 12	Umballa ...		*g.* Jowár falling.
...	...	33 0	32 0	41 0	90 0	90 0	90 0	9 8	9 8	9 2	Ludhiána ...		*h.* Rice rising.
...	...	...	...	...	...	...	...	...	...	...	Simlá* ...		*i.* Gram falling.
...	...	30 0	30 0	42 0	120 0	120 0	100 0	9 4	9 8	9 4	Jullundur ...		*j.* Wheat, barley, and gram fall and bájra rising.
...	...	31 0	31 0	39 0	100 0	100 0	90 0	9 8	9 8	9 8	Hushiárpúr *d* ...		
...	...	17 0	18 0	26 0	160 0	160 0	160 0	7 0	7 0	8 0	Kángra ...		
...	...	...	...	...	...	...	...	...	...	...	Amritsar* ...		
...	...	25 0	24 0	37 0	140 0	140 0	120 0	9 12	9 12	9 8	Siálkot ...		
...	...	22 0	22 0	40 0	120 0	120 0	120 0	9 0	9 0	9 0	Gurdáspár *e* ...		
...	...	27 0	26 0	39 0	110 0	110 0	110 0	9 12	9 12	9 8	Lahore ...		
...	...	39 0	34 8	37 0	140 0	140 0	120 0	10 4	10 0	9 8	Ferozepore *e* ...		
...	...	28 0	27 0	40 0	110 0	110 0	100 0	10 4	10 4	10 0	Gujránwála ...		
...	...	27 8	29 0	41 0	110 0	110 0	113 0	10 4	10 4	10 8	Ráwalpindi *f* ...		
...	...	22 0	24 8	34 0	140 0	140 0	100 0	11 0	11 8	11 0	Jhelum ...		
...	...	24 0	24 0	37 0	120 0	120 0	120 0	10 8	10 10	10 8	Gujrát ...		
...	...	28 0	28 0	40 0	320 0	320 0	320 0	11 0	11 8	11 0	Shahpúr ...		
...	...	...	...	...	...	...	...	...	...	...	Mooltan* ...		
...	...	23 0	21 8	31 0	240 0	240 0	240 0	10 8	10 10	10 8	Jhang *g* ...		
...	...	33 0	22 0	27 0	220 0	220 0	220 0	9 0	9 0	9 0	Montgomery ...		
...	...	30 0	22 0	22 0	100 0	120 0	100 0	9 8	9 0	10 0	Muzaffargarh *h* ...		
...	...	37 8	32 8	40 0	112 0	112 0	112 0	10 0	10 0	10 0	Dera Ismail Khán *i* ...		
...	...	25 10	25 0	25 10	150 0	150 0	150 0	31 4	31 4	28 12	Dera Ghazi Khán ...		
...	...	45 0	40 10	46 4	80 0	80 0	80 0	100 0	100 0	100 0	Bannú *j* ...		
...	...	26 10	28 9	32 3	110 0	110 0	110 0	58 8	58 8	55 14	Pesháwar ...		
...	...	30 10	30 10	40 13	153 0	153 0	153 0	102 0	102 0	102 0	Kohát ...		
...	...	26 0	25 0	33 8	140 0	140 0	140 0	9 0	9 0	9 0	Hazára ...		
													* Return not received.
													† Maize or Indian corn.
0 31 8	40	0 29 0	28 8	19 8	130 0	120 0	120 0	8 0	8 0	7 8	Lucknow ...	Oudh.	Júar (large).
...	28	0 29 0	28 0	21 0	160 0	160 0	160 0	8 0	8 10	8 0	Unáo ...		
0 40 0	40	0 31 8	31 8	20 0	160 0	160 0	160 0	7 8	8 0	7 8	Bára Banki ...		Kodon.
0 1128 0	146	0 35	33 0	23 0	180 0	180 0	200 0	8 0	8 8	8 0	Sítápur ...		*Paddy. †Sawán. ‡Kodon.
5 ...	33	12 31	3 30	0 18	4 192	8 192	8 192	8 0	8 0	7 1	Hardui ...		Sawán.
0 72 0	60	0 35	0 36	4 24	2 200	0 200	0 200	8 0	8 0	7 4	Kheri ...		*Murhwa.
4 26 2	23	1 31	0 30	11 19	9 120	0 140	0 120	8 6	8 4	7 12	Fyzabad ...		†Murhwa. †Kodon.
0 140 0	24	0 42	0 50	0 18	8 200	0 200	0 200	7 8	7 8	7 8	Bharaich ...		*Murhwa mixed with Lahara ‡
1 42 9	28	1 38	6 38	8 18	7 170	0 170	0 140	7 14	8 0	7 12	Gonda ...		*Murhwa, Sawán and Kodon.
8 53 8	37	8 35	12 36	0 25	0 200	0 200	0 180	8 0	8 0	7 8	Rái Bareli ...		Sawán.
0 64 0	38	0 36	0 37	0 22	12 160	0 160	0 160	8 8	8 8	8 2	Sultánpur ...		Murhwa.
0 37 10	62	8 37	5 36	5 21	15 200	0 200	0 200	8 0	8 0	7 4	Pratábgarh ...		

Prices Current of Food-grains throu

QUANTITIES PER RU

PROVINCES.	DISTRICTS.	Wheat.			Barley.			Rice (best sort).			Rice (common).			Great Millet (Cholum, Jowar) *Holcus Sorghum.*			Bulrush Mi (Cumbu, Ba *Penicillaria Spi*	
		Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
CENTRAL PROVINCES.	Nagpur ...	20 0	19 8	27 0	...	...	...	10 0	10 0	12 0	13 8	13 4	18 8	33 0	32 0	38 0	...	...
	Bhandara ...	23 0	23 12	24 0	...	...	...	10 0	10 0	10 0	20 0	20 0	20 0	26 0	26 0	32 0	...	...
	Chanda ...	23 6	23 6	25 1	...	...	...	...	...	...	16 4	15 7	18 4	27 8	29 7	35 0	...	...
	Wardha ...	23 0	22 0	25 0	...	...	...	8 9	9 0	8 8	12 0	4 0	12 8	45 0	38 0	47 0	...	...
	Balaghat ...	26 0	26 0	22 0	...	...	...	17 0	16 0	15 0	24 0	23 0	12 0	...	...	...	...	...
	Jubbulpore ...	26 0	25 0	21 0	16 0	17 0	10 0	13 0	12 0	12 0	15 0	14 0	14 0	22 0	22 0	17 0	16 0	15 0
	Saugor ...	18 8	20 0	21 8	...	...	...	9 0	8 0	8 0	13 0	13 0	11 0	...	...	...	...	...
	Damoh ...	22 8	23 0	25 0	...	...	...	6 0	16 0	14 0	18 0	18 0	15 0	...	...	...	...	...
	Seoni ...	12 0	31 0	27 0	...	...	...	11 0	11 0	10 0	22 0	22 0	14 0	...	...	...	...	...
	Mandla ...	12 0	31 0	19 0	...	...	...	16 0	13 0	13 0	30 0	16 0	15 0	...	...	35 0	...	...
	Betul ...	17 0	27 0	23 0	...	...	...	13 8	14 0	12 0	14 8	15 0	13 0	...	...	34 0	...	...
	Chindwara ...	30 0	28 0	25 0	...	...	...	9 0	9 0	10 0	13 0	13 0	3 0	36 0	36 0	30 0	...	...
	Hoshangabad ...	17 0	18 0	18 0	...	...	...	9 0	9 0	9 0	10 0	10 0	10 0	...	...	...	...	...
	Narsinghpur ...	21 0	21 0	19 0	...	...	...	12 0	12 0	10 0	13 0	13 0	11 0	...	...	...	...	...
	Nimar ...	14 8	14 1	...	...	...	...	...	...	...	11 12	11 12	...	26 0	36 0	...	22 8	36 0
	Raipur ...	24 0	44 0	42 0	...	...	...	21 0	21 4	17 0	34 0	34 0	30 0	...	...	...	...	...
	Sambalpur ...	34 0	24 0	21 0	...	...	...	22 0	24 0	28 0	23 0	26 0	15 0	...	...	...	...	...
	Bilaspur ...	48 0	48 0	40 0	...	...	...	30 0	30 0	28 0	52 0	52 0	42 0	...	...	...	...	...
	Upper Godavery ...	20 0	19 0	15 0	...	...	...	10 0	10 0	11 0	18 0	13 0	14 0	50 0	50 0	36 0	...	...
BERAR DISTRICTS.	Secunderabad ...	No return received			...	...	...	...			...	...	...	...	...	...	...	...
	Bolarum ...																	
	Chadderghat ...																	
	Oomraotee ...	20 0	21 0	17 0	14 0	15 0	15 0	8 0	8 0	8 0	10 0	10 0	10 0	44 0	48 0	38 0	26 0	35 0
	Akola ...	20 0	20 0	20 0	...	...	...	8 0	8 0	8 0	10 0	10 0	10 0	43 0	36 0	35 0	35 0	34 0
	Elichpur ...	21 0	21 0	17 0	8 0	8 0	8 0	8 0	8 0	8 0	11 3	10 0	12 0	42 0	42 0	34 0	32 0	30 0
	Buldana ...	20 0	20 0	20 0	...	...	...	...	...	...	11 0	10 0	11 0	44 0	40 0	40 0	38 0	36 0
	Woon ...	24 0	23 0	19 0	16 0	14 0	15 0	8 0	9 0	11 0	11 0	12 0	14 0	52 0	69 0	52 0	16 0	16 0
	Basim ...	23 5	23 0	23 0	...	...	...	10 0	10 0	8 5	13 5	13 5	13 5	53 0	50 5	52 5	38 5	37 0
MYSORE AND COORG.	BANGALORE { Wholesale	12 5	12 5	11 2	12 0	13 0	12 0	11 0	11 2	10 5	14 5	14 7	12 2	25 0	25 2	24 5	...	...
	BANGALORE { Retail ...	12 0	12 0	10 7	11 5	12 5	11 5	10 5	10 7	10 0	14 0	14 2	11 7	24 0	24 2	23 5	...	...
	KOLAR ... { Wholesale	...	...	...	11 3	11 3	10 5	18 0	17 4	15 0	18 1	17 8	15 4	...	...	...	...	...
	KOLAR ... { Retail ...	11 0	11 0	10 1	17 7	17 2	14 7	17 8	17 5	15 1	...	...	...	...	...	...	...	...
	TUMKUR ... { Wholesale	12 0	12 5	12 5	12 0	12 5	12 5	14 0	16 0	14 0	16 0	18 0	16 0	23 0	24 0	24 0	...	...
	TUMKUR ... { Retail ...	1 0	12 0	12 0	11 0	12 0	12 0	13 0	15 0	13 0	15 0	17 0	15 0	22 0	23 0	22 0	...	...
	MYSORE ... { Wholesale	9 7	10 6	9 8	...	...	...	10 4	11 1	11 4	11 0	11 7	12 5	26 2	...	29 7	26 2	27 2
	MYSORE ... { Retail ...	9 6	10 4	9 4	...	...	...	10 2	10 6	11 2	10 6	11 4	12 3	25 6	...	29 3	25 6	26 2
	HASSAN ... { Wholesale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	HASSAN ... { Retail ...	11 5	10 5	10 5	12 5	12 5	11 5	12 5	12 5	10 5	14 7	14 7	13 7	...	...	...	...	...
	SHIMOGA ... { Wholesale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	SHIMOGA ... { Retail ...	12 5	12 5	11 0	13 5	13 5	12 0	11 5	11 5	13 0	16 7	16 7	17 0	24 6	25 2	33 0	...	...
	KADUR ... { Wholesale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	KADUR ... { Retail ...	12 0	12 0	10 0	...	...	...	12 0	12 0	12 5	14 0	14 0	16 0	...	...	...	...	...
	CHITALDROOG { Wholesale	14 6	14 8	14 0	15 6	17 0	15 8	13 8	13 8	...	15 8	15 8	...	29 2	29 2	44 3	29 0	28 5
	CHITALDROOG { Retail ...	12 0	12 0	12 0	14 0	14 0	14 0	12 0	12 0	13 0	15 0	15 0	15 0	26 0	26 0	35 0	24 0	24 0
	COORG ... { Wholesale	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	COORG ... { Retail ...	7 7	8 0	8 2	8 7	8 4	8 7	10 3	10 1	11 2	13 9	14 6	16 3	...	...	...	...	...
RAJPOOTANA.	Jaipur ...	16 12	16 12	...	24 8	24 8	...	7 0	7 0	...	9 12	9 12	...	25 0	25 0	...	20 8	20 8
	Kishengurh ...	16 4	16 0	...	22 0	22 0	...	9 0	9 0	...	10 0	10 0	...	22 0	22 0	...	18 0	18 8
	Alwar ...	21 0	20 8	23 0	31 8	30 8	36 12	6 8	6 8	8 8	10 0	10 0	9 0	26 0	28 0	28 0	26 0	25 0
	Bharatpur (City) ...	21 0	21 8	20 0	30 12	32 0	32 8	8 0	8 0	6 12	12 0	11 0	10 0	27 0	26 0	19 0	26 0	25 8
	Kerowli (City) ...	18 12	18 12	19 1	30 0	27 8	27 8	11 4	11 4	8 12	12 8	12 8	10 0	28 12	27 8	30 0	25 0	23 2
	Ajmir ...	15 12	15 0	16 2	26 12	21 9	22 12	5 0	5 0	6 8	10 0	10 0	8 8	21 0	21 0	20 5	19 8	19 2
	Deolie Cantonment ...	No return received			...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krinpura ...	21 4	21 4	19 8	33 8	33 8	28 0	...	...	...	9 4	9 4	7 0	26 0	26 0	23 0	30 0	30 0
	Sirohi ...	No return received			...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Aboo ...	19 0	19 0	16 14	29 0	29 0	20 0	6 3	6 3	5 8	8 6	8 6	7 8	...	...	...	26 3	26 3
	Hilly Tracts of Meywar ...	24 0	25 0	25 0	32 0	32 0	38 0	...	...	...	12 0	14 0	12 0	...	...	...	...	...
	Meywar ...	14 0	14 0	15 6	21 1	21 6	21 1	...	...	...	9 9	9 2	7 13	...	...	...	...	...
	Banswarra (Meywar Agency) ...	20 0	21 0	21 0	...	...	...	7 8	7 8	7 8	15 0	15 0	15 0	...	...	...	...	...
	Marwar ...	15 15	15 5	...	25 0	25 0	...	5 0	5 0	...	7 8	7 8	...	22 8	20 10	...	23 2	21 4
	Bikaneer ...	No return received			...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bundi ...	21 0	...	18 0	38 0	...	23 0	7 8	...	10 0	9 0	...	10 8	28 0	...	20 0	...	...
	Kota ...	18 4	17 12	18 8	...	...	...	8 8	9 0	9 0	9 8	10 0	10 0	25 0	23 0	22 8	...	...
	Tonk ...	18 4	18 5	18 0	25 12	25 6	26 0	6 0	6 0	5 0	8 0	8 0	7 0	28 0	27 2	26 0	...	...
	Jhallawar ...	15 12	15 0	16 8	25 0	27 0	19 8	8 8	9 0	9 0	9 0	9 8	10 0	20 0	29 0	22 0	...	...
	Shahpoora ...	...	15 12	18 4	...	20 8	25 0	...	7 8	7 8	...	9 4	8 12	...	19 0	16 0	...	16 8
INDIA.	Indore ...	13 4	13 4	14 0	...	...	...	9 0	9 0	8 0	10 0	10 0	9 0	20 0	19 0	24 0	18 0	18 0
	Gwalior ...	15 0	14 10	14 8	19 3	16 7	18 4	6 14	6 14	6 0	8 12	8 12	7 5	19 3	18 4	18 4	18 0	20 0
	Gooma ...	16 0	16 0	21 0	18 0	20 0	16 0	10 4	10 4	8 0	12 0	12 0	9 4	20 0	22 0	30 0	18 0	20 0
	Rutlam ...	14 4	14 4	12 4	...	...	...	10 8	9 0	8 4	12 8	12 8	12 8	18 8	17 12	20 0	15 8	15 8
	Baghelkhund (Sutna) ...	24 8	24 0	18 0	...	...	...	8 0	8 0	7 0	22 0	22 0	16 0	28 0	...	21 0	24 0	24 0

a for the 2nd half of September 1875—concluded.

EERS OF 80 TOLAHS.

Millets, Ragi, (Kavaru, Varagoo, ree, Chama, Cumboo, rchwa, Naglee) Panis, Milleawun, &c.			Gram.			Firewood.			Salt.			* Districts.	Provinces.	Remarks.
	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.	Present fortnight.	Past fortnight.	Corresponding fortnight of 1874.			
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.			
	...	...	23 8	23 8	23 0	120 0	120 0	120 0	10 4	10 4	10 4	Nagpur ...	Central Provinces.	
	...	...	27 0	27 0	26 0	...	...	...	9 0	9 8	9 8	Bhandara ...		
	...	...	26 2	25 0	23 7	420 0	400 0	480 0	6 5	7 0	7 5	Chanda ...		
	...	...	18 0	22 0	19 0	160 0	120 0	120 0	8 0	8 0	8 8	Wardha ...		
	...	...	28 0	28 0	26 0	240 0	240 0	240 0	8 0	8 0	8 0	Balaghat ...		
	...	...	35 0	33 0	24 0	160 0	160 0	160 0	8 0	8 0	8 8	Jubbulpore ...		
	...	...	22 0	25 0	23 0	220 0	220 0	200 0	7 4	7 4	6 12	Saugor ...		
	...	...	29 0	30 8	31 4	280 0	280 0	400 0	7 4	7 4	6 12	Damoh ...		
	...	...	26 0	34 0	28 0	240 0	280 0	240 0	9 0	9 0	9 0	Seoni ...		
0 27 0	19 0	45 0	45 0	24 0	240 0	240 0	240 0	7 0	6 8	7 0	Mandla ...			
0 22 0	23 0	26 0	26 0	23 0	280 0	280 0	240 0	8 0	8 0	7 8	Betul ...			
0 23 0	23 0	31 0	31 0	30 0	200 0	200 0	240 0	8 0	8 0	8 0	Chindwara ...			
	...	24 0	24 0	22 0	120 0	120 0	120 0	8 0	8 0	8 0	Hoshangabad ...			
	...	32 0	32 0	24 0	160 0	160 0	160 0	6 0	6 0	6 4	Narsinghpur ...			
	...	21 2	22 8	...	160 0	160 0	...	10 4	10 4	...	Nimar ...			
	...	42 0	44 0	34 0	120 0	120 0	...	7 8	7 12	7 8	Raipur ...			
	...	28 0	24 0	21 0	120 0	120 0	150 0	8 0	7 0	8 0	Sambalpur ...			
0 90 0	90 0	42 0	42 0	36 0	200 0	200 0	160 0	7 8	7 8	6 0	Bilaspur ...			
	...	28 0	30 0	26 0	1,440 0	1,440 0	1,440 0	9 0	10 0	8 0	Upper Godavery ...			
												Secunderabad ...	Hyderabad Assigned Districts.	
									No return received.			Bolarum ...		
	...	...	...	...	...	...	...	...				Chudderghat ...		
	...	...	21 0	22 0	17 0	...	...	...	11 0	11 0	10 0	Oomraotee ...		
0 10 0	12 0	22 0	22 0	20 0	106 0	106 0	64 0	10 0	9 0	10 0	Akola ...			
	...	21 3	21 0	16 0	64 0	64 0	64 0	9 0	9 0	9 0	Elichpur ...			
	...	20 0	20 0	24 0	...	...	...	10 0	10 0	9 0	Buldana ...			
	...	25 0	23 0	21 0	250 0	250 0	200 0	7 0	8 0	7 0	Woon ...			
5 21 0	16 0	27 0	26 5	22 0	90 0	90 0	64 0	8 5	9 0	8 7	Bassim ...			
0 32 2	35 0	22 0	21 5	16 2	...	...	...	13 5	13 5	12 5	Bangalore { Wholesale	Mysore and Coorg.		
0 31 2	34 0	21 0	21 0	15 7	72 0	72 0	72 0	13 0	13 0	12 0	Retail ...			
6 33 5	43 7	24 3	24 3	18 5	...	...	...	15 7	15 7	14 6	Kolar ... { Wholesale			
3 33 2	43 4	24 0	24 0	18 3	172 4	172 4	172 4	15 4	15 4	14 3	Retail ...			
0 55 2	58 0	24 0	25 0	20 0	180 0	180 0	180 0	13 0	13 0	13 0	Tumkur ... { Wholesale			
0 53 2	56 0	23 0	24 0	19 0	100 0	100 0	100 0	12 0	12 0	12 0	Retail ...			
0 23 5	28 7	20 4	20 4	18 7	72 0	80 4	78 0	8 7	9 1	9 8	Mysore ... { Wholesale			
4 23 1	28 3	19 7	19 7	18 3	70 0	77 0	70 0	8 5	8 7	9 6	Retail ...			
...	...	...	...	...	...	...	...	...	...	...	Hassan ... { Wholesale			
0 25 2	36 0	19 0	16 7	15 7	150 0	150 0	150 0	10 5	9 5	9 5	Retail ...			
...	...	...	...	...	...	...	...	...	...	...	Shimoga ... { Wholesale			
5 29 5	46 0	20 0	20 0	17 0	360 0	360 0	400 0	9 5	9 5	10 0	Retail ...			
...	...	...	...	...	...	...	...	...	...	...	Kadur ... { Wholesale			
0 24 0	32 0	16 0	16 0	14 0	60 0	60 0	60 0	10 0	10 0	10 0	Retail ...			
4 36 2	55 5	22 8	22 8	...	...	...	...	10 0	10 0	9 0	Chital- { Wholesale			
0 20 0	40 0	22 0	22 0	22 0	100 0	100 0	100 0	9 0	9 0	8 0	droog. { Retail ...			
...	...	...	...	...	...	...	...	...	...	...	Coorg ... { Wholesale			
7 23 1	31 8	17 9	18 6	15 1	91 6	91 6	110 0	8 6	8 7	8 5	Retail ...			
...	...	...	20 8	20 8	...	...	...	...	18 0	18 0	...	Jaipur ...	Rajpootana.	
...	...	...	18 12	18 12	...	...	...	...	40 0	40 0	...	Kishengurh ...		
...	...	...	28 0	26 4	37 0	...	...	...	25 0	25 0	22 8	Alwar ...		
8 31 10	19 0	28 4	29 4	32 0	110 0	110 0	...	24 0	24 0	20 0	Bharatpur (City) ...			
8 32 8	19 10	26 4	25 10	26 14	160 0	160 0	160 0	28 12	28 12	26 4	Kerowli (City) ...			
...	...	19 5	19 9	21 0	90 0	85 0	110 0	31 0	33 0	32 0	Ajmir ...			
...	...	...	...	...	...	...	...	No return received.			Deolie Cantonment ...			
...	...	23 8	23 8	17 8	200 0	200 0	200 0	40 0	40 0	40 0	Erinpura ...			
...	...	...	...	...	...	...	...	No return received.			Sirohi ...			
...	...	21 8	21 8	14 4	100 0	100 0	100 0	36 12	36 12	34 0	Aboo ...			
...	...	...	...	...	9 Pie*	8 Pie*	6 Pie*	12 0	12 0	12 0	Hilly Tracts of Meywar...			* Per man's load.
...	...	17 3	20 2	14 11	165 0	165 0	165 0	21 14	20 5	29 9	Meywar ...			
...	...	25 0	24 0	20 0	...	...	...	10 0	10 8	11 4	Banswarra (Meywar Agency)			
...	...	15 10	15 0	...	70 0	70 0	...	60 0	56 4	..	Marwar ...			
...	...	...	...	...	...	...	...	No return received.			Bikaneer ...			
...	...	...	...	...	160 0	...	160 0	30 0	...	25 8	Bundi ...			
...	...	...	...	...	200 0	160 0	160 0	23 0	23 0	23 0	Kota ...			
...	...	...	...	...	150 0	150 0	115 0	35 0	35 8	38 0	Tonk ...			
...	...	...	...	...	80 0	80 0	90 0	26 8	27 0	...	Jhallawar ...			
...	...	...	...	...	...	160 0	160 0	...	36 0	36 0	Shahpoora ...			
...	...	17 0	18 5	13 10	88 0	88 0	87 4	8 0	8 0	9 8	Indore ...	Central India.		
...	...	18 6	17 5	19 3	100 6	100 6	100 6	10 9	10 9	11 14	Gwalior ...			
...	...	19 0	20 0	25 0	200 0	200 0	160 0	18 0	17 0	17 0	Goona ...			
...	...	20 0	19 12	14 0	160 0	160 0	160 0	10 4	10 8	11 4	Rutlam ...			
...	...	32 0	32 0	22 0	200 0	200 0	200 0	8 0	8 0	7 8	Bagbelkhund (Sutna) ...			

A. O. HUME,
Secretary to the Govt. of India.

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GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

(TELEGRAPHS).

Abstract of Foreign Traffic for the Month of July 1875.

CLASS OF MESSAGES.	ROUTE. WEST. Via Teheran. No.	Indian Value.	Via Turkey. No.	Indian Value.	Persian Gulf. No.	Indian Value.	Via Suez. No.	Indian Value.	EAST. Via Amur. No.	Indian Value.	Via Madras. No.	Indian Value.	Native Burma. No.	Indian Value.	TOTAL. No.	Indian Value.
INDIAN.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.		Rs. A.
Sent ...	1,067	6,944 15	44	212 11	68	430 12	1,345	7,560 11	2	40 9	282	1,625 8	253	451 8	3,061	17,266 10
Received ...	895	4,789 3	38	202 7	116	1,022 11	1,363	6,535 8	2	25 3	282	1,552 15	215	430 8	2,911	14,558 7
TOTAL ...	1,962	11,734 2	82	415 2	184	1,453 7	2,708	14,096 3	4	65 12	564	3,178 7	468	882 0	5,972	31,825 1
TRANSIT.																
East to West	168	1,222 4	...	...	...	...	1,161	7,782 10	...	...	...	...	...	...	1,329	9,004 14
West to East	240	1,508 9	17	81 15	...	...	925	6,289 11	...	...	...	...	*3	12 3	1,185	7,892 6
West to West	...	...	...	...	...	...	†1	4 3	...	...	...	...	...	...	1	4 3
East to East	...	...	...	...	...	...	...	...	‡2	8 5	...	...	...	...	2	8 5
TOTAL ...	408	2,730 13	17	81 15	...	...	2,087	14,076 8	2	8 5	...	...	3	12 3	2,517	16,909 12
GRAND TOTAL...															8,489	48,734 13

* Two from London *via* Teheran, and the other from Vanzeia (Europe) *via* Suez, to Native Burma.
† From Aden to Bushire.
‡ One from Shanghai to Hong-Kong *via* Amur and Madras, and the other from Hong-Kong to Amoy *via* Madras and Amur.

Abstract of Foreign Traffic with India by the Indo-European and Red Sea routes for the Month of July 1875.

ROUTE.		NUMBER OF MESSAGES BY EACH ROUTE (EXCLUSIVE OF TRANSIT). To India.	From India.	Total.	PERCENTAGE OF NUMBER. To India.	From India.	Total.
INDO-EUROPEAN	*Vid* Teheran	895	1,067	1,962	37·11	42·28	39·75
	„ Turkey	38	44	82	1·57	1·74	1·66
	Persian Gulf *vid* Kurrachee	116	68	184	4·81	2·69	3·73
RED SEA ...	*Vid* Suez	1,363	1,345	2,708	56·51	53·29	54·86
	TOTAL ...	2,412	2,524	4,936	100·00	100·00	100·00

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

No. XXXIII OF 1875.

APPROXIMATE STATEMENT OF GROSS RECEIPTS ON INDIAN RAILWAYS.

Latest return received.	Railways.	For week ending		Total from 1st January		Total increase in 1875.	Total decrease in 1875.
		22nd Aug. 1874.	21st Aug. 1875.	to 22nd Aug. 1874.	to 21st Aug. 1875.		
	Guaranteed.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
25th Sept. 1875	East Indian, Main ...	4,15,484	3,60,114	2,52,73,840	1,74,78,851	...	77,94,989
25th ditto	Ditto, Jubbulpoor	18,700	16,636	19,25,906	13,29,217	...	5,96,689
25th ditto	Eastern Bengal ...	78,252	44,723	22,43,344	17,24,889	...	5,18,455
18th ditto	Oudh and Rohilkhund ...	31,095	36,541	12,01,280	17,86,153	5,84,873	...
25th ditto	Sindh, Punjab & Delhi ...	92,156	65,212	54,32,345	42,22,207	...	12,10,138
25th ditto	Madras ...	1,20,889	1,15,121	37,48,422	40,69,775	3,21,353	...
18th ditto	South Indian ...	17,758	17,078	6,07,940	5,99,179	...	8,761
2nd Oct. 1875	Great Indian Peninsula ...	1,88,186	2,00,903	1,38,02,955	1,47,45,218	8,52,263	...
25th Sept. 1875	Bombay, Baroda, and Central India ...	52,375	56,586	41,84,958	43,24,079	1,39,121	...
	TOTAL ...	10,14,895	9,13,514	5,85,10,990	5,02,79,568	...	82,31,422
	State.						
25th Sept. 1875	Calcutta and South-Eastern ...	1,223	1,454	67,058	67,209	151	...
18th ditto	Nulhattee ...	1,834	1,236	58,315	54,136	...	4,179
25th ditto	Rajpootana ...	7,555	22,582	2,83,696	10,45,056	7,61,360	...
25th ditto	Holkar ...	1,069	4,310	40,891*a*	2,12,513	1,71,622	...
	Khamgaon ...	...	...	23,989*b*	39,361*c*	15,372	...
4th Sept. 1875	Oomraotee ...	333	549	24,355	46,606	22,251	...
	Wardha Valley ...	...	...	17,244*d*	22,877*e*	5,633	...
4th Sept. 1875	Nizam's ...	...	5,394	...	3,02,976	3,02,976	...
	Tirhoot ...	...	...	...	40,429*f*	40,429	...
28th Aug. 1875	Punjab, Northern ...	...	990	...	67,306*g*	67,306	...
	TOTAL ...	12,014	36,515	5,15,548	18,98,469	13,82,921	...
	GRAND TOTAL ...	10,26,909	9,50,029	5,90,26,538	5,21,78,037	...	68,48,501

(*a*) Total receipts from 1st February to 22nd August 1874.
(*b*) Total receipts from 1st January to 14th June 1874, after which the line was closed.
(*c*) Total receipts from 1st January to 30th June 1875.
(*d*) Total receipts from 1st February to 14th June 1874, after which the line was closed.
(*e*) Total receipts from 1st January to 15th June 1875, after which the line was closed.
(*f*) Total receipts from 11th January to 12th June 1875, after which the line was closed.
(*g*) Total receipts from 12th April to 21st August 1875.

No. XXXIV OF 1875.

APPROXIMATE STATEMENT OF GROSS RECEIPTS ON INDIAN RAILWAYS.

Latest return received.	Railways.	For week ending		Total from 1st January		Total increase in 1875.	Total decrease in 1875.
		29th August 1874.	28th August 1875.	to 29th August 1874.	to 28th August 1875.		
	Guaranteed.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
25th Sept. 1875	East Indian, Main	4,47,168	3,61,253	2,57,21,009	1,78,40,103	...	78,80,906
25th ditto ...	Ditto, Jubbulpoor	11,423	16,429	19,37,329	13,45,646	...	5,91,683
25th ditto ...	Eastern Bengal ...	77,814	60,190	23,21,158	17,85,079	...	5,36,079
18th ditto ...	Oudh and Rohilkhund ...	33,761	38,756	12,35,041	18,24,908	5,89,867	...
25th ditto ...	Sindh, Punjab & Delhi ...	80,683	65,571	55,13,028	42,87,779	...	12,25,249
18th ditto ...	Madras ...	1,23,043	1,10,291	38,71,465	41,80,066	3,08,601	...
18th ditto ...	South Indian ...	18,585	17,058	6,26,525	6,16,237	...	10,288
2nd Oct. 1875	Great Indian Peninsula ...	1,87,516	2,72,266	1,40,80,471	1,50,17,485	9,37,014	...
25th Sept. 1875	Bombay, Baroda, & Central India ...	60,511	55,220	42,45,469	43,79,299	1,33,830	...
	TOTAL ...	10,40,504	9,97,034	5,95,51,495	5,12,76,602	...	82,74,893
	State.						
25th Sept. 1875	Calcutta and South-Eastern ...	1,074	1,453	68,132	68,662	530	...
18th ditto ...	Nulhattee ...	1,787	1,112	60,102	55,247	...	4,855
25th ditto ...	Rajpootana ...	8,014	23,516	2,91,710	10,68,572	7,76,862	...
25th ditto ...	Holkar ...	1,748	6,084	42,639*a*	2,18,597	1,75,958	...
	Khamgaon ...	...	...	23,989*b*	39,361*c*	15,372	...
4th ditto ...	Oomraotee ...	334	549	24,689	47,155	22,466	...
	Wardha Valley ...	...	...	17,244*d*	22,877*e*	5,633	...
4th ditto ...	Nizam's ...	...	7,460	...	3,10,436	3,10,436	...
	Tirhoot ...	...	...	...	40,429*f*	40,429	...
28th August 1875	Punjab Northern ...	...	2,801	...	70,108*g*	70,108	...
	TOTAL ...	12,957	42,975	5,28,505	19,41,444	14,12,939	...
	GRAND TOTAL ...	10,53,461	10,40,009	6,00,80,000	5,32,18,046	...	68,61,954

(*a*) Total receipts from 1st February to 29th August 1874.
(*b*) Total receipts from 1st January to 14th June 1874, after which the line was closed.
(*c*) Total receipts from 1st January to 30th June 1875.
(*d*) Total receipts from 1st February to 14th June 1874, after which the line was closed.
(*e*) Total receipts from 1st January to 15th June 1875, after which the line was closed.
(*f*) Total receipts from 11th January to 12th June 1875, after which the line was closed.
(*g*) Total receipts from 12th April to 28th August 1875.

IRRIGATION OPERATIONS OF FASL KHARIF IN THE NORTH-WESTERN PROVINCES UP TO 31st AUGUST 1875.

CANAL DIVISIONS.	WATER DISTRIBUTED DURING AUGUST 1875. Depth in Canal at Regulating Gauge in Feet. Full supply.	Actual average throughout.	Gross Consumption. Cubic feet per second. Allotted discharge.	Actual average throughout.	Total Area of Irrigation during Current Fasl.
Ganges Canal. Northern ...	10·00	Not stated	740	Not stated	25,668
Meerut ...	8·30	4·7	969	644	44,625
Anupshahr ...	6·80	...	700	...	22,341
Bulandshahr ...	7·35	Not stated	972	Not stated	46,147
Aligarh ...	5·50	Do.	994	Do.	57,300
Etáwah ...	4·80	...	771	...	51,622
Cawnpore ...	6·20	2·4	958	98	44,236
Total Ganges Canal ...	...	...	6,104	...	291,939
Eastern Jumna Canal ...	5·20	3·32	3,250	886	74,043
Dún Canals ...	...	...	...	155	5,871
Rohilkhand Canals	...	...	...	173	6,304
Bundelkhand Irrigation Works	...	...	...	...	506
1st Division, Agra Canal ...	...	5·64	...	340	1,818
2nd do. do. ...	...	...	...	...	2,079
Grand Total ...	...	...	...	...	383,160

NAVIGATION RETURNS, GANGES CANAL. Principal Items of Traffic.

Nature of Traffic.	Up. Mds.	Up. No.	Down. Mds.	Down. No.	Total Up and Down. Mds.	Total Up and Down. No.
Grains :—						
Wheat ...	...	...	...	...	...	...
Gram ...	...	...	...	...	...	...
Rice ...	...	...	...	...	...	...
Paddy or Dhán ...	...	...	...	...	...	...
Bejhar or mixed Grain...	...	...	...	...	...	...
Dál ...	50	...	...	...	50	...
Juar ...	...	...	...	...	...	...
Bájra ...	...	...	...	...	...	...
Maize (or Indian Corn)	...	...	...	...	...	...
Total ...	50	...	...	...	50	...
Cotton ...	...	...	453	...	453	...
Oil-seeds ...	...	...	526	...	526	...
Salts ...	...	...	250	...	250	...
Metals ...	494	...	458	...	952	...
Building Materials ...	...	...	600	...	600	...
Firewood ...	...	...	...	...	...	...
Bamboos ...	...	...	...	...	...	...
Timber ...	...	...	...	654	...	654
Miscellaneous ...	30	...	250	...	280	...
Live-stock ...	...	...	...	...	...	...
Grand Total	574	...	2,537	654	3,111	654
Total during corresponding period of last year.	...	...	...	...	...	...
Increase ...	574	...	2,537	654	3,111	654
Decrease ...	...	...	...	...	...	...

LAND IRRIGATED (APPROXIMATE). Zila.	Acres.
Saháranpur ...	37,560
Muzaffarnagar ...	56,987
Meerut ...	74,436
Bulandshahr ...	46,867
Aligarh ...	37,481
Muttra ...	1,661
Agra ...	8,357
Etah ...	6,630
Mainpuri ...	21,072
Fatehgarh ...	10,404
Etáwah ...	28,426
Cawnpore ...	38,817
Dehra Dún ...	5,871
Bijnor ...	784
Tarái ...	1,132
Bareilly ...	4,388
Jhánsi ...	311
Hamírpur ...	195
Delhi ...	14
Gurgáon ...	1,767
Total ...	383,160
Total for the same period last year	338,371
Increase ...	44,789

RAINFALL. Total from 1st April to 31st August 1875.	Average of ten previous years for the same period.	REMARKS.
23·6	28·3	The Ganges Canal was closed for the usual annual repairs on the 8th of the month.
23·4	22·5	
16·9	22·0	Eastern Jumna Canal closed for 8 days in the first half of the month, there being no demand for water. The fine weather in latter half of the month caused a demand for rice.
18·4	20·0	
12·8	20·2	
12·7	24·3	
16·9	23·0	
11·4	21·3	
24·3	25·0	
21·4	25·2	
19·7	25·9	
18·3	24·2	
56·8	61·2	
34·4	28·3	
35·3	41·0	
40·6	32·6	
15·5	34·3	
24·2	28·8	
...	...	
...	...	
...	...	
...	...	

Allahabad,
The 23rd September 1875.

G. H. D. WALKER,
Asst. Secy. to Govt., N. W. P., P. W. D., Irrigation Branch.

SUPPLEMENT TO THE STATEMENT OF PRICES-CURRENT OF FOOD-GRAINS FOR THE 2ND HALF OF SEPTEMBER 1875, PUBLISHED IN PAGES 926 AND 927 OF THE SUPPLEMENT TO THE GAZETTE OF INDIA, DATED 23RD OCTOBER 1875.

Districts.	Quantities per rupee in seers of 80 tolahs.																																										Remarks.
	Wheat.						Barley.						Rice. Best sort.						Rice. Common.						Great Millet (Cholum, Jowar), *Holcus Sorghum.*						Bulrush Millet (Cumboo, Bajra), *Penicillaria Spicata.*						Lesser Millets, Ragi, &c. (Kavaru, Veragoo, Sawee, Cheena, Coralee, Marhwa, Nugles, &c.) *Panicum Miliaceum, Eleusine Coracana, &c.*						Gram.						Firewood.						Salt.						
	Present fortnight.		Past fortnight.		Corresponding fortnight of 1874.		Present fortnight.		Past fortnight.		Corresponding fortnight of 1874.		Present fortnight.		Past fortnight.		Corresponding fortnight of 1874.		Present fortnight.		Past fortnight.		Corresponding fortnight of 1874.		Present fortnight.		Past fortnight.		Corresponding fortnight of 1874.		Present fortnight.		Past fortnight.		Corresponding fortnight of 1874.		Present fortnight.		Past fortnight.		Corresponding fortnight of 1874.		Present fortnight.		Past fortnight.		Corresponding fortnight of 1874.		Present fortnight.		Past fortnight.		Corresponding fortnight of 1874.		
	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	
Haidarabad Assigned Districts.																																												
Secunderabad ...	16	4	16	8	15	9	...	...	...	...	...	...	8	1	8	6	8	9	12	8	12	5	14	0	23	0	22	2	32	2	26	1	25	1	27	8	31	0	30	0	28	2	22	0	22	3	15	3	125	0	120	0	100	0	11	2	11	2	10	0	
Bolarum ...	16	4	17	5	15	4	...	...	...	...	...	...	10	7	10	6	11	2	12	1	11	5	12	2	22	9	23	1	32	1	...	...	..	...	...	...	21	5	21	5	15	4	112	8	112	8	112	8	11	1	11	1	9	3	
Chadarghat ...	12	2	12	5	12	5	...	...	...	...	...	...	6	0	6	0	7	0	11	2	11	2	10	0	19	2	19	2	32	0	25	2	26	0	28	0	...	...	...	...	19	2	19	0	19	2	130	0	130	0	130	0	10	2	10	2	9	0	

A. O. HUME,
Secretary to the Govt. of India.

GOVERNMENT OF INDIA.

DEPARTMENT OF REVENUE, AGRICULTURE AND COMMERCE.

Return showing the Quantities of Cotton exported from the several Ports of India to British and Foreign Countries during the month of September 1875.

Names of Ports in India whence Cotton is exported.		QUANTITIES OF COTTON EXPORTED TO																	
		United Kingdom.		Austria.		France.		Italy.		Russia.		Mauritius.		Ceylon.		China, Hong-Kong.		Straits Settlements.		Other Countries in Europe.		Totals.	
		Cwt.	Rs.	Cwt.	Rs.	Cwt.	Rs.	Cwt.	Rs.	Cwt.	Rs.	Cwt.	Rs.	Cwt.	Rs.	Cwt.	Rs.	Cwt.	Rs.	Cwt.	Rs.	Cwt.	Rs.
Bengal	Calcutta	269	0	...		...		...		...		2	0	...		8,237	0	...		...		8,508	0
	Balasore	...		...		...		...		...		...		...		...		...		...		...	
	Chittagong	...		...		...		...		...		...		...		...		...		...		...	
	Cuttack	...		...		...		...		...		...		...		...		...		...		...	
	Pooree	...		...		...		...		...		...		...		...		...		...		...	
Madras	Madras	27,733	104	535	80	8,726	88	...		...		...		...		3,567	96	...		...		40,564	32
	Beypore, Malabar District	...		...		...		...		...		...		...		...		...		268	0	268	0
	Coconada, Godavery District	7,098	24	...		7,762	56	...		...		...		...		...		...		...		14,860	80
	Ganjam	...		...		...		...		...		...		...		...		...		...		...	
	Ports of Kistna District	...		...		...		...		...		...		...		...		...		...		...	
	Ports of Madura do.	...		...		...		...		...		...		...		...		...		...		...	
	Ports of South Arcot District	...		...		...		...		...		...		...		...		...		...		...	
	Ports of Tanjore do.	...		...		...		...		...		...		...		...		...		...		...	
	Ports of Vizagapatam do.	...		...		...		...		...		...		...		...		...		...		...	
	Tuticorin, Tinnevelly do.	13,842	96	1,071	64	...		4,017	96	...		...		0	7	1,406	0	...		...		20,338	39
Bombay and Sindh	Bombay	44,396	0	10,396	0	3,850	0	11,284	0	871	0	...		...		2,030	0	...		...		72,827	0
	Kurrachee	...		...		...		...		...		...		...		2,366	0	...		...		2,366	0
	Carwar	...		...		...		...		...		...		...		...		...		...		...	
	Vingorla	...		...		...		...		...		...		...		...		...		...		...	
	Vizadroog	...		...		...		...		...		...		...		...		...		...		...	
B. Burma	Rangoon	...		...		...		...		...		...		...		...		2,347	56	...		2,347	56
	Akyab	...		...		...		...		...		...		...		...		...		...		...	
	Kyouk Phyoo	...		...		...		...		...		...		...		...		...		...		...	
	Moulmein	...		...		...		...		...		...		...		...		...		...		...	
	Tavoy	...		...		...		...		...		...		...		...		...		...		...	
	Ports in the Ramree District	...		...		...		...		...		...		...		...		...		...		...	
	Total	93,340	0	12,003	32	20,339	32	15,301	96	871	0	2	0	0	7	17,606	96	2,347	56	268	0	162,079	95

A. O. HUME,
Secretary to the Govt. of India.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

IRRIGATION OPERATIONS OF FASL KHARIF IN THE PUNJAB UP TO 31st AUGUST 1875.

CANAL DIVISION.	WATER DISTRIBUTED DURING AUGUST 1875. Depth in Canal at Regulating Gauge. Full supply.	Actual throughout.	Gross Consumption. C. ft. per second. Estimated full supply.	Actual average throughout.	NAVIGATION RETURN CANAL. Principal Items of Traffic. Up.	Down.	LAND IRRIGATED (APPROXIMATE). Zillah.	Acres.	RAINFALL. Average.	During month.	CHIEF CROPS (APPROXIMATE). Name.	Area in acres.	REMARKS.
BÁRI DOÁB CANAL. 1st Division	4·90	1·70	3073·60	107·96	...	...	Gurdáspur	12,844	7·14	23·20	Cotton ...	26,079	444·96 cubic feet per second passed down the various escapes on the Bári Doáb Canal. Notwithstanding the heavy rainfall during the month and the closure of the canal from the 11th to the 26th August, the result of the irrigation up to date contrasts favorably with that of the corresponding period of the preceding year.
2nd Divn. Main Branch, Lower	4·60	1·58		46·68	...	...	Amritsar ...	29,862	...	...	Rice ...	17,418	
2nd Divn. Lahore Branch ...	3·00	1·60		403·90	...	...	Lahore ...	37,887	6·63	20·90	Sugarcane ...	7,654	
											Others ...	29,442	
TOTAL B. D. CANAL ...	...	...	3073·60	...	...	...	...	80,593	...	...	...	80,593	
CORRESPONDING PERIOD OF LAST YEAR ...	...	...	3073·60	...	...	...	...	70,624	...	...	...	70,624	
WESTERN JAMNÁ CANALS. Karnál Division ...	4·33	4·13	2546·00	160·39	...	261,939 kurries, bullies, logs and 93,969 maunds of firewood.	Ambála ...	1,688	...	...	Cotton ...	66,512	The increase on the Western Jumna Canal as compared with the corresponding period of the past year is due to insufficient fall of rain at the proper time which increased the demand for canal water.
							Karnál ...	30,347	5·37	7·28	Rice ...	43,879	
Delhi „ ...	4·40	4·33		766·00			Delhi ...	30,554	...	...	Sugarcane ...	27,456	
Hansi „ ...	8·80	8·70		976·00			Rohtak ...	37,556	...	...	Others ...	19,651	
„ Bulla Head ...	8·00	7·90		257·00			Hissár ...	33,989	...	...			
							Jhind ...	21,973	...	...			
							Bikáner ...	130	...	...			
							Kalsia State	1,261	...	...			
TOTAL W. J. CANALS ...	...	...	2546·00	...	...	261,939	...	157,498	...	...	...	157,498	
CORRESPONDING PERIOD OF LAST YEAR ...	...	...	2546·00	...	...	239,736	...	137,431	...	...	...	137,431	
INUNDATION CANALS. Upper Satlaj Division ...	...	...	...	...	...	...	Lahore ...	6,000	...	...	Detail not obtainable for want of establishment.	...	The total increase up to date on the perennial canals as compared with the corresponding period of last year amounts to 30'09 acres.
Lower Satlaj and Chinab	...	...	...	...	...	...	Montgomery	44,000	...	...			
Indus Canals ...	...	...	...	...	...	...	Multán ...	125,300	...	...			
							Derah Gázi Khán ...	122,452	...	...			
TOTAL INUNDATION CANALS ...	...	...	...	...	...	...	...	297,752	...	...	...	297,752	
CORRESPONDING PERIOD OF LAST YEAR ...	...	...	...	...	...	...	...	492,930	...	...	...	492,930	
DELHI AND GURGÁON WORKS ...	...	...	...	...	...	...	Delhi ...	1·9	...	...	Cotton ...	...	
							Gurgáon ...	697	...	...	Rice ...	67	
							Rohtak ...	...	...	...	Sugarcane ...	...	
											Others ...	749	
TOTAL DELHI AND GURGÁON WORKS ...	...	...	...	...	...	...	...	816	...	...	...	816	
CORRESPONDING PERIOD OF LAST YEAR ...	...	...	...	...	...	...	...	961	...	...	...	961	
PERENNIAL CANALS—GRAND TOTAL ...	...	...	...	...	...	...	...	238,091	...	...	...	238,091	
DITTO—CORRESPONDING PERIOD OF LAST YEAR ...	...	...	...	...	...	...	...	208,055	...	...	...	208,055	

W. BROADFOOT, *Captain, R. E.*

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

RAILWAY.

INVESTIGATION INTO ACCIDENTS ON INDIAN STATE RAILWAYS.

Circular No. 22 R., dated Simla, the 19th October 1875.

OBSERVATIONS.—There are now about 700 miles of State Railways open for traffic, and this length will be added to from year to year. It is necessary therefore to provide for the manner in which investigations into serious accidents should be conducted in the most complete and efficient way.

2. On the Guaranteed Railways when any serious accident, such as a collision with or without injury to life or limb, the breaching of an embankment, or the failure of a bridge occurs, the Consulting Engineer inspects, investigates, and reports on behalf of Government. When an accident occurs attended with fatal consequences, the Magistrate of the District, or an officer deputed by him, conducts the enquiry.

3. The investigations are thus conducted by officers of Government, and not by the servants of the Company directly responsible for the safe working of the Railway on which the accident may have occurred. The same principle should obviously also be extended to the investigation of accidents on State Railways.

4. The Governor General in Council is accordingly pleased to decide, as a provisional measure, that accidents on State Railways when open for public traffic, shall be subject to investigation by the Consulting Engineers attached to the Guaranteed Railways in India. The Consulting Engineer for Guaranteed Railways, Calcutta, will be directed to enquire into any accidents that may occur on the Calcutta and South-Eastern Railway, the Nulhatee State Railway, and the Northern Bengal and Tirhoot State Railways. The Consulting Engineer for Guaranteed Railways at Lahore will perform similar duties on the Punjab Northern and Indus Valley State Railways, and the Consulting Engineer for Guaranteed Railways, Lucknow, on the entire system of the Rajpootana State Railway from Delhi and Agra to Nusseerabad. On the Holkar, Neemuch, Wardha Valley, and Nizam State Railways the investigation of accidents will, with the concurrence of the Government of Bombay, be undertaken by the Consulting Engineer for Guaranteed Railways at Bombay.

5. In regard to the Rangoon and Irrawaddy Valley State Railway, when opened for traffic, the Chief Commissioner should name some Engineer Officer of the Public Works Department under his orders unconnected with the Railway who may be best suited for the duty.

6. The Manager or Officer in charge of a State Railway should, in addition to the reports regarding accidents required to be made to the local civil authorities, promptly send information to the officers mentioned in this Resolution concerning accidents requiring investigation.

ORDER.—Ordered, that this Resolution be communicated to the Government of Bombay, in the Public Works Department (Railway), for information and the issue of the necessary orders to the Consulting Engineer; to the Chief Commissioner, British Burmah, for the purpose indicated in para. 5; to the Consulting Engineers to the Government of India for Guaranteed Railways at Calcutta, Lahore, and Lucknow for information and guidance; and to the Director of State Railways for information and the issue of the necessary orders to the Managers of State Railways opened for public traffic.

Ordered also, that this Resolution be communicated to the Governments and Administrations noted on the margin for information. Also to the Home Department, for information and publication in the Supplement to the *Gazette of India*.

Madras, Bengal, North-Western Provinces, Punjab, Central Provinces, Hyderabad, Central India and Rajpootana.

C. H. DICKENS, *Colonel, R. A.,*
Secretary to the Govt. of India.

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